Laserliner

MEASURING TECHNOLOGY. SIMPLE. INTELLIGENT.

Professional Sales Program 2023/2024

DIGITAL CONNECTION
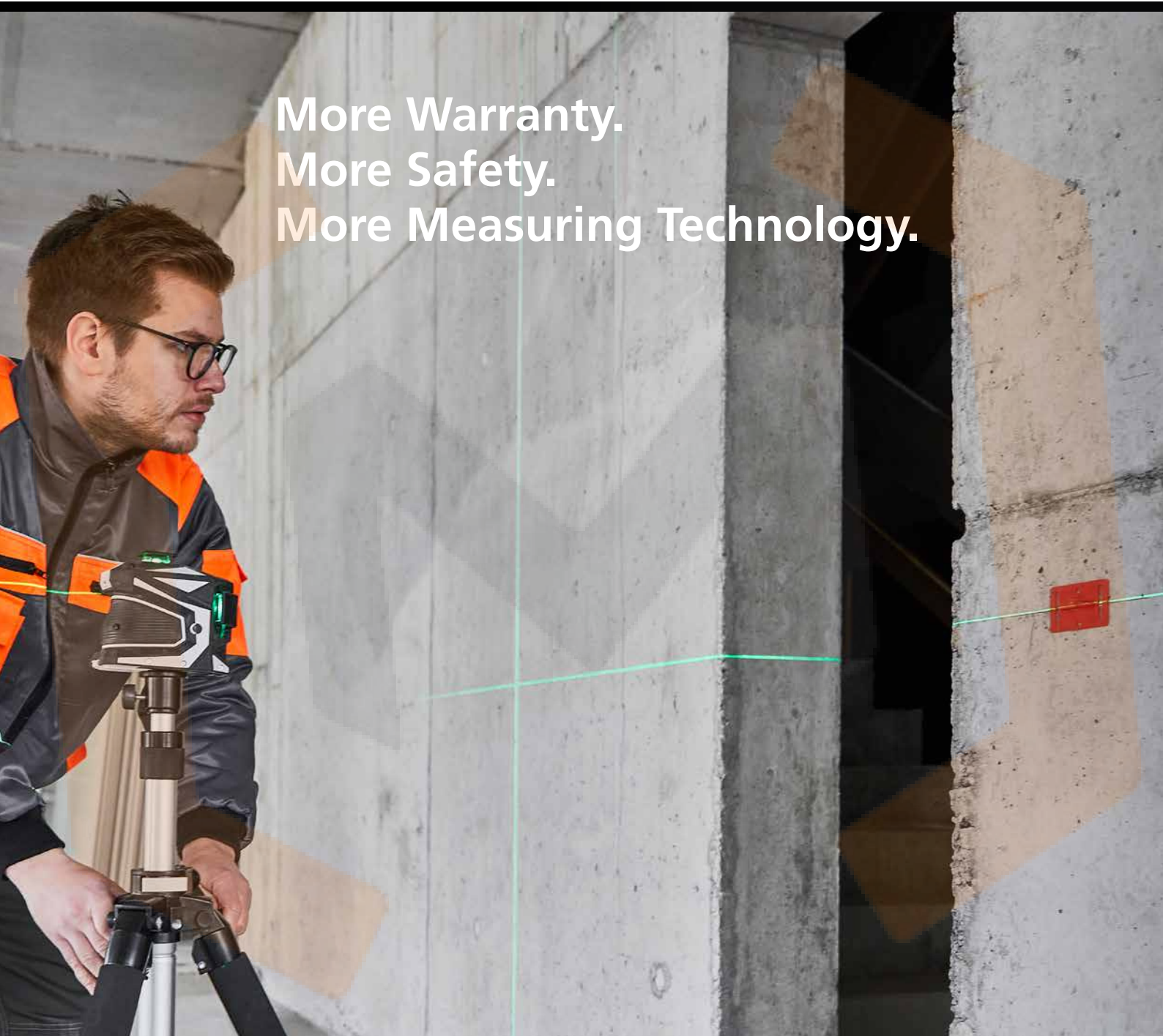
4 YEARS WARRANTY / 4 JAHRE GARANTIE
CERTIFIED DESIGN AND QUALITY

More Warranty.
More Safety.
More Measuring Technology.

DIGITAL CONNECTION

LASERLINER APP STORE – INTELLIGENT MEASURING TECHNOLOGY MANAGEMENT

Multifunctional MeasureNote app

Digital control with the Commander app

Accurate and safe measuring tools.
Convincing. Professional. Innovative.

Laserliner is a competent partner around the world.
In the planning, construction, modernization, renovation
and restoration, Laserliner instruments are characterized
by numerous technical innovations.
Laserliner measuring technology brings more safety and
reliability to building sites, the trade and the industry.
It encourages sustainability and creates economical
solutions, making work easier and more efficient.

Convincing performance demands the highest standards.
Laserliner is committed to quality management
the legal standards according to DIN EN ISO standards
comply with the TÜV Nord certification.

The Laserliner brand stands for modern measurement
technology, which is characterised by high quality in daily use.

DIGITAL CONNECTION

Data management made simple.
Digital Connection – connection
between Laserliner measuring
devices and ...

App   Wifi   USB

TÜV NORD
TÜV NORD CERT
GmbH
DIN EN ISO 9001

QUALITY
MANAGEMENT

HIGH VISIBILITY

CERTIFIED
DESIGN AND QUALITY

SINCE 1993

Laserliner – UMAREX Headquarters in Arnsberg

4 YEARS WARRANTY / JAHRE GARANTIE
CERTIFIED DESIGN AND QUALITY

New product preview

BlackLine Professional Sales Program. Leading brand name products.
This catalogue only contains measuring devices for professional long-term use.
Laserliner measuring technology provides greater safety and reliability on building sites, in trade
and industry, makes your work easier and allows you to take measurements even in inaccessible places.

NEW

DIGITAL CONNECTION

MeasureNote App

MultiWet-Finder Plus
- Electronic material moisture measuring with climate sensor
- Efficient location of moisture damage
- Digital Connection for measurement data transfer

11

NEW

IR-SENSOR 384 x 288 pixel

MORE POWER

ThermoCamera HighSense Pro
- High-resolution thermal imaging
- Ideal for building thermography, for identifying thermal bridges, analysis of heating pipes, identifying defective solar cells and more…

20

NEW

ø 7,9 mm   5" TFT

VideoFlex HD Duo
- High-resolution video inspection
- Effective problem localisation
- Camera head and probe resistant to petrol and diesel

29

NEW

WORK AND CHARGE   USB-C

PocketCross-Laser 2G Pro
- Green cross-line laser
- Extremely bright green laser cross at the front
- Height-adjustable, magnetic and multi-function bracket

52

NEW

MORE FLEXIBLE   USB-C

SMART WORK

HighCapacityPack

- High-performance battery for various Laserliner measuring devices
- Rechargeable via USB-C interface
- For a longer operating life

CONTENTS

Humidity and moisture measuring devices

WOOD, HUMIDITY AND CONSTRUCTION MOISTURE

Protection against moisture is a major problem in buildings. Early detection of building and material moisture contribute to the sustained protection and preservation of building fabric. Moisture assessment and localisation with suitable instruments is essential for this. Early detection can also prevent harmful mould and mildew infestation.
Non-destructive material moisture detection using the capacitive measuring method, ensures measurement results are obtained effortlessly and quickly: without damaging the surface during and especially after the construction phase. Measuring instruments utilising the precision measuring concept are used to determine the moisture in various building materials. This measuring method provides very accurate results.

Moisture assessment – Darr method

$$700,0g - 640,0g = 60,0g \qquad \frac{60,0g}{640,0g} = 9,38\%$$

CM method – Calcium carbide measuring method

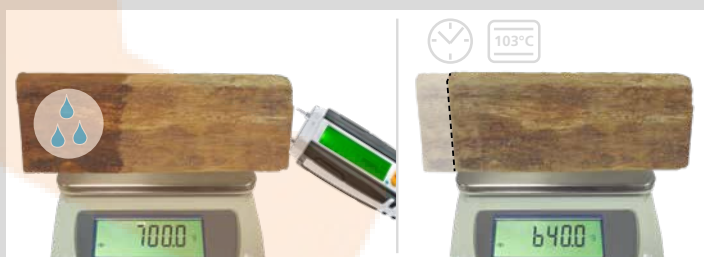The calcium carbide measuring method is based on a chemical principle, whereby building material samples (1) are tested for moisture in a pressure tank (2).

Gas acetylene

Calcium carbide

Stainless-steel balls for crushing

Core sample

DRY | | | | | | | | | WET

1,80%

Deep Scan max. 30 mm
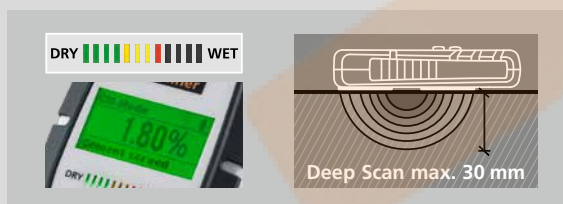
Non-destructive measurement MoistureMaster Compact Plus
The MoistureMaster Compact Plus can indicate the comparative value in CM% by means of the non-destructive, electronic measuring method.

Moisture measurement

Overview

	MoistureMaster Compact Plus	DampFinder Compact Plus	DampMaster Compact Plus	MultiWet-Finder Plus	MultiWet-Master Compact Plus
Measuring methods	Contact pad (Capacitive)	Measuring tips (Resistance)	Measuring tips (Resistance)	Sphere (Capacitive)	Measuring tips / Contact Pad
Index mode	● / zoom	●	●	●	● / zoom
Building materials / percent by weight integrated or with table / MeasureNote App	**6 building materials** aerated concrete, anhydrite screed, cement screed, chalky sandstone, concrete, gypsum plaster	**8 building materials** aerated concrete, anhydrite screed, cement screed, chalky sandstone, concrete C12/15, concrete C20/25, concrete C30/37, gypsum plaster	**31 building materials** aerated concrete / ytong PPW4, ARDURAPID cement screed, asbestos cement board, cement-bonded particle board, cement mortar ZM 1:3, cement screed with bitumen additive, cement screed with plastic additive, clay bricks / bricks, elastizell screed, ...	**3 building materials** Anhydrit-Estrich, Beton C20/25, Zementestrich	**31 building materials** aerated concrete / ytong PPW4, ARDURAPID cement screed, asbestos cement board, cement-bonded particle board, cement mortar ZM 1:3, cement screed with bitumen additive, cement screed with plastic additive, clay bricks / bricks, elastizell screed, ...
Building materials / percent CM	**2 building materials** anhydrite screed, gypsum plaster **integrated**			**3 building materials** anhydrite screed, concrete C20/25, gypsum plaster **integrated**	**2 building materials** anhydrite screed, gypsum plaster **with MeasureNote App**
Types of wood integrated or with table / MeasureNote App	**56 types of wood** ash, alder, amer. mahagony, beech, birch, cedar, douglas fir, ebony, elm, european larch, linden, ...	**102 types of wood** ash, alder, amer. mahagony, beech, birch, cedar, douglas fir, ebony, elm, larch, linden, maple, birch, mahogany, ...	**108 types of wood** ash, alder, amer. mahagony, beech, birch, cedar, douglas fir, ebony, elm, larch, linden, maple, birch, cahogany, pine, cork, imbuia,...		**108 types of wood** ash, alder, amer. mahagony, beech, birch, cedar, douglas fir, ebony, elm, larch, linden, maple, birch, cahogany, pine, cork, imbuia,...
Moisture indicator DRY – WET	●		●	●	●
Room climate temperature, humidity, dew point				●	●
Protective cap with self-test function		●	●		●
Depth electrodes Connection of DampExtensions		●	●		●
Digital Connection data transfer to App	●	●	●	●	●
User interface	25 Languages	Symbols	Symbols	Symbols	Symbols

● = available

DIGITAL CONNECTION

3,4% gypsum plaster

Gratis – MeasureNote app

Multifunctional app for Laserliner measuring technology for a fast data transfer

Download on the **App Store**

GET IT ON **Google Play**

Measurement and documentation app for smartphones and tablets

TOOLS WITH COMMUNICATION Laserliner

- Store measured data in one place with map
- Insert markers in photos
- Send object photos with measured values by email, WhatsApp etc
- The last known location of the unit is stored
- Automatic voice output of measured values
- Direct link to operating instructions
- Calculator
- Note down important details
- Integrated material tables for material moisture measurement
- Languages: DE, EN, NL, DA, FR, ES, IT, PL, FI, SV, NO, JA

Surface and push-in moisture measurement

MoistureMaster Compact Plus

MeasureNote App

Professional material moisture measurement, quick and non-destructive – with Digital Connection interface
– CM mode for evaluating anhydrite screed and cement
  screed in CM% (comparable with CM method)
– Non-destructive measurement of material moisture
  by capacitive measurement. The tested material
  is not damaged.
– 62 selectable material characteristics: 56 wood and
  6 building material types (cement screed,
  anhydrite screed, gypsum plaster, aerated concrete,
  concrete, chalky sandstone)
– Digital Connection interface for
  measurement data transfer
– Index-Zoom – Rapid location of moisture
  in thicker building materials
– Wet alarm: in addition to the red LED indication,
  a warning tone will be sounded for wet material.
– LED wet/dry indicator provide immediate measurement
  results for moisture content in the tested material.
– Menu system with 25 languages
– Illuminated, transparent display

Capacitive measurement Accuracy (absolut):

| Wood: | ± 2% |
| Building materials: | ± 0.2% |

Inclusive: MoistureMaster Compact Plus, battery, carrying case

ORDER NO.	EAN-CODE	PU
082.334A	4 021563 699865	2

Wet Alarm   9V   HARD

DampFinder Compact Plus

MeasureNote App
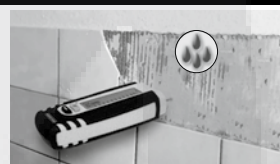
Universal device for testing moisture in wood and building materials with Digital Connection interface
– For measuring moisture in building
  materials and timber
– 2 wood groups with 102 types of wood, 8 building
  materials and universal index mode
– Digital Connection interface for
  measurement data transfer
– MeasureNote support with integrated material tables
– Numerical display of measured value
  and ambient temperature
– Stabile, ergonomically designed, rubberised casing
– Illuminated, transparent display

Resistance measurement Accuracy (absolut):

| Wood: | ± 1% (5%…30%) / ± 2% (<5% and >30%) |
| Building materials: | ± 0.15% (0%...10%) / ± 1% (>10%) |

Inclusive: DampFinder Compact Plus, protective cap with self-test function, batteries

ORDER NO.	EAN-CODE	PU
082.016A	4 021563 705030	5

4x AAA

Push-in moisture measurement

DampMaster Compact Plus

MeasureNote App

Professional test instrument for moisture in wood, plaster and building materials with Digital Connection interface
– 3 wood groups with 108 types of wood, 31 building materials and universal index mode
– Digital Connection interface for measurement data transfer
– MeasureNote support with integrated material tables
– The wet/dry indicator evaluates and interprets measurements with respect to the given material.
– Measuring device adapted to temperature of material to be measured
– Stabile, ergonomically designed, rubberised casing
– Illuminated, transparent display
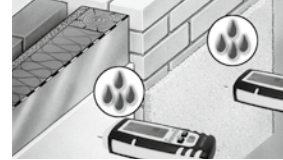
Resistance measurement Accuracy (absolut):
Wood: ± 1% (5%…30%) / ± 2% (<5% and >30%)
Building materials: ± 0.15%

Inclusive: DampMaster Compact Plus, protective cap with self-test function, batteries, carrying case

ORDER NO.	EAN-CODE	PU
082.321A	4 021563 699858	2

4x AAA

HARD

DampMaster Compact Pro

MeasureNote App

Professional test instrument with Digital Connection interface for moisture in wood, plaster and building materials – with DampExtension Compact set
– Product description same as DampMaster Compact Plus
– With insertion electrodes DeepElectrodes Compact plus connection cable ExtensionCable

DampExtension Compact Set

210 mm

Inclusive: DampMaster Compact Plus, protective cap with self-test function, DampExtension Compact set: DeepElectrodes Compact with ExtensionCable, batteries, carrying case

ORDER NO.	EAN-CODE	PU
082.325A	4 021563 696468	2

4 x AAA

HARD

Depth electrodes and connection cable set
– 2 x non-insulated round electrodes: for moisture measurements in building and insulating materials
– 2 x insulated metal electrodes: for moisture measurements in multi-layer wall or ceiling structures
– 2 x insulated flat electrodes: for moisture measurements in concealed material layers, specifically for wall-ground transition
– 2 x brush electrodes: for moisture measurements in hard building materials such as concrete or screed

Building moisture analysis, humidity and condensation

MultiWet-Finder Plus
NEW

MeasureNote App

Electronic material moisture measuring device for locating and evaluating moisture distribution and moisture damage in walls, floors and ceilings
– Non-destructive, capacitive measuring process
– Easy detection and evaluation of moisture distribution in walls, floors and ceilings
– Quick overview of the extent and severity of moisture damage as part of a building survey
– Simple transfer of measured data through Digital Connection interface to mobile phone
– Material parameters for cement screed, anhydrite screed, and concrete in CM % or mass %
– Easy-to-read display with reference, maximum and index value
– Switchable moisture indicator: acoustic alarm and 12-position LED display with configurable limit value
– Climate sensor provides additional relevant parameters for analysing damage and moisture conditions: humidity, ambient temperature and calculated dew point

Moisture content of material (capacitive)	
modes:	Index, Building materials, reference
Ambient temperature:	-10°C…60°C
Accuracy:	± 1°C
Relative humidity:	20%…90%
Accuracy (absolut)	20% … 80% (± 3%)
	<20% und >80% (± 5%)
Dew point temperature:	-20°C…60°C

Inclusive: MultiWet-Finder Plus, batteries, carrying case

ORDER NO.	EAN-CODE	PU
082.091A	4 021563 722617	2

Wet Alarm | **3 x AAA** | **HARD**

MultiWet-Master Compact Plus

MeasureNote App

Non-destructive surface scan and precision spot measurement of material moisture.
Room climate measurement with dew point and Digital Connection interface
– 2 measuring methods: Resistance, capacitive (non-destructive)
– Resistance measurement:
  3 wood groups with 108 types of wood, 31 building materials and universal index mode
– Capacitive measurement:
  2 wood groups divided into softwood/hardwood and universal index/index-zoom mode
– Digital Connection interface for measurement data transfer
– MeasureNote support with integrated material tables
– Pop-out sensor for measuring ambient temperature, relative humidity and calculating dew point
– Index functions for optimum analysis of different material categories (construction materials, wood and composite materials)
– Programmable, 12-position wet/dry LED indicator for quick assessment
– Illuminated LC display

Accuracy (absolut):	
Resistance measurement	
Wood:	± 1% (5%…30%)
	± 2% (<5% and >30%)
Building materials: ± 0.15%	
Capacitive measurement	
Wood:	± 2%
Room climate measurement	
± 2°C (-10°C…60°C)	
± 3% (20%…90%)	

Inclusive: MultiWet-Master Compact Plus, protective cap with self-test function, battery, carrying case

ORDER NO.	EAN-CODE	PU
082.390A	4 021563 694440	2

9 V | **HARD**

3 sensors in one measuring device

1

2

3

Humidity and condensation

ROOM CLIMATE

Long-term measurement

WAREHOUSE

50%
23°C
12°C
TIME

JAN   APR   JUL   OCT   DEC

CELLAR

50%
23°C
12°C
TIME

WEEK 1   W2   W3   W4   W5   W6

BEDROOM

50%
23°C
12°C
TIME

DAY   NIGHT   DAY

Relative air humidity   Ambient temperature   Dew point temperature only ClimaData Box

Software inclusive

Long-term measurement for exact evaluation on PC

- Download the recorded readings with date and time for optimal evaluation
- Presentation as list and diagram
- Define measurement-specific settings
- Save and print the results
- Windows compatible

**Optional:
K-type-temperature sensor
Air / Tip / Touch / Clamp**
(Product description
same as page 15)
for CondenseSpot XP
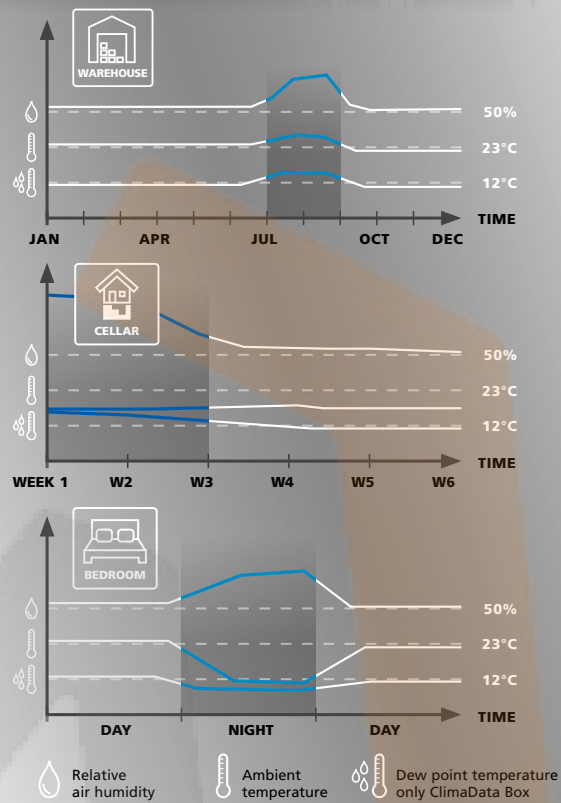
Surface temperature < Dew point temperature => Moisture condensation

23   23
14.02.20   16.02.20
15:20:46   15:38:14

T: 15,1°C
Tamb: 16,5°C
rH: 71,2%
DP: 11,2°C

T: 10,9°C
Tamb: 16,5°C
rH: 71,2%
DP: 11,2°C

DIGITAL CONNECTION

Gratis – MeasureNote app

Multifunctional app for Laserliner measuring technology for a fast data transfer

Humidity and condensation

ClimaData Stick

Digital hygrometer for long-term and real-time measurement of the ambient temperature, humidity, and evaluation on PC
– Temperature measurement range (-40°C...70°C)
– With alarm functions
– USB interface for evaluation on PC
– Data memory with date/time

DATA LOGGING

	USB	1 x 3,6 V Li	

Software Download

HARD

Ambient temperature measuring range:	-40°C...70°C	
Accuracy:	± 1°C (-10%rH...40%rH)	
Relative air humidity:	0%rH...100%rH	
Accuracy:	± 3%rH (40%rH...60%rH)	

Inclusive: ClimaData Stick, software, wall bracket, protective cap, battery, carrying case

ORDER NO.	EAN-CODE	PU
082.027A	4 021563 700295	2

ClimaData Box

Digital hygrometer for long-term measurement of ambient temperature, humidity and dew point with evaluation on PC
– Temperature measurement range (-40°C...70°C)
– Digital display with max./min. values
– Mit alarm functions
– USB interface for evaluation on PC
– Data memory with date/time
– Anti-theft safeguard possible

DATA LOGGING

	USB	1 x 3,6 V Li	

Software Download

HARD

Ambient temperature measuring range:	-40°C...70°C	
Accuracy:	± 1°C (-10%rH...40%rH)	
Relative air humidity:	0%rH...100%rH	
Accuracy:	± 3%rH (40%rH...60%rH)	
Dew point temperature:	-40°C...70°C	
Accuracy:	± 2°C (40%rH...100%rH)	

Inclusive: ClimaData Box, software, USB cable, wall bracket, battery, carrying case

ORDER NO.	EAN-CODE	PU
082.031A	4 021563 665006	2

CondenseSpot Pro

Professional climate/humidity/temperature measuring device to avoid thermal bridges and wall moisture with Digital Connection interface
– For locating thermal bridges and condensation moisture to prevent mould and mildew
– Temperature measurement range (-40°C…550°C)
– Emission ratio: 0.01…1.0 (adjustable)
– The 8-point laser circle pinpoints the measuring zone exactly
– Min/Max function
– Colour alarm function: Thermal bridge warning
– Bargraph condense water indicator: wall moisture alarm
– Digital Connection interface for measurement data transfer
– Lens 12:1
– Illuminated multifunction display

MeasureNote App

Infrared temperature measuring range:	-40°C…550°C	
Accuracy:	± (1°C + 10%) (-40°C…0°C),	
	± 1°C (0°C…30°C),	
	± 2°C (30°C…100°C),	
	± 2°C (> 100°C)	
Ambient temperature:	-20°C…65°C	
Accuracy:	± 1°C (0°C…50°C)	
Relative air humidity:	1%…99%	
Accuracy:	± 3% (20%…80%)	
Dew point temperature:	-50°C…50°C	

Inclusive: CondenseSpot Pro, batteries

ORDER NO.	EAN-CODE	PU
082.049A	4 021563 710928	2

Laser 650 nm	2		1/4"	2 x AA

CondenseSpot XP

Professional climate/humidity/temperature measuring device for localising thermal bridges and condensation with Digital Connection interface
–Product description same as CondenseSpot Pro
– Localisation of thermal bridges and condensation water hazards in thermal bridge mode with dew point display
– Temperature measurement range (-40°C…800°C)
– Emission ratio: 0.01…1.0 (adjustable) with quick selection of 5 memory locations
– Memory function: 50 storage locations
– Connection for K-type temperature sensor
– Min/Max/AVG/Dif function: The smallest, largest, average or difference infrared measured value can be displayed.
– Lens 30:1

MeasureNote App

Infrared temperature measuring range:	-40°C…800°C	
Accuracy:	± (1°C + 10%) (-40°C…0°C),	
	± 1°C (0°C…33°C),	
	± 2°C (33°C…100°C),	
	± 2°C (> 100°C)	
Relative air humidity:	1%…99%	
Accuracy:	± 3% (20%…80%)	
Dew point temperature:	-50°C…50°C	
Contact temperature K-type:	-30°C…1372°C	
Accuracy:	± 1°C or ± 1% depending on the higher value	

Inclusive: CondenseSpot XP, batteries, carrying case

ORDER NO.	EAN-CODE	PU
082.047A	4 021563 698936	2

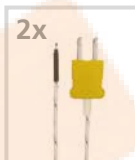|					
Laser 650 nm	2		K	1/4"	2 x AA

HARD

Temperature measuring instruments

Contact and ambient temperature measurement

ThermoMaster

Digital thermometer with contact thermocouple for use in laboratories and industry
– Large temperature measuring range: -50°C…1300°C
– Dual K-type inputs for thermocouple for direct differential measurement of two temperatures
– Two flexible thermocouples for a wide range of industrial applications
– The MAX function determines when limit values are exceeded during prolonged measuring procedures
– Fold-out base for laboratory use
– 1/4" stand connection for flexible arrangement in stationary setups
– Tough enclosure with rubber guard
– Illuminated, clearly arranged display

Optional accessories
ThermoSensor Air / Tip / Touch / Clamp

Contact temperature K-type measuring range:
-50°C…1300°C
Accuracy: ± 0.5% of displayed value
± 1°C (0°C…1000°C)
± 0.8% of displayed value
± 1°C (1000°C…1300°C)
± 2°C (-50°C…0°C)
K-type-temperature sensor:
-50°C…200°C

Inclusive: ThermoMaster, 2x K-type-temperature sensor, battery, carrying case

ORDER NO.	EAN-CODE	PU
082.035A	4 021563 676293	2

2x

ThermoMaster Plus set

Dual input contact thermometer for precise measurement of temperatures with Digital Connection interface
– Large temperature measurement range: -150°C…1370°C
– Functions: contact temperature, prolonged and differential measurements
– Memory function
– Temperature alarm
– Dual thermocouple inputs type K / J / T / E
– Digital Connection for measurement data transfer
– Large, illuminated display

ThermoSensor Clamp
– Product description same as on page 15

Optional accessories
ThermoSensor Air / Tip / Touch / Clamp

MeasureNote App

1,5 m

Contact temperature measuring range:
Type K: -150°C…1370°C, Type T: -150°C…400°C,
Type J: -150°C…1200°C, Type E: -150°C…900°C
Accuracy: -150°C…-100°C
(± (0.2% of measured value + 1°C))
-100°C…1370°C
(± (0.1% of measured value + 1°C))
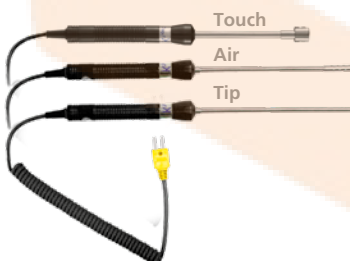**K-type-temperature sensor:**
-50°C…300°C

Inclusive: ThermoMaster Plus, 1x K-type-temperature sensor, ThermoSensor Clamp, batteries, carrying case

ORDER NO.	EAN-CODE	PU
082.036A	4 021563 706693	2

4x AAA

ThermoSensor Air / Tip / Touch

K-type-temperature sensor –
ThermoSensor Air for measuring air and gas temperature
ThermoSensor Tip for inserting in soft, highly viscous materials
ThermoSensor Touch as a surface probe on solid backgrounds
– Sensor length: 165 mm
– Heat resistant handle
– Accuracy class: 2
– ThermoSensor Air: Temperature sensor protected by metal sleeve (ø 6.5 mm)

For ThermoMaster, ThermoMaster Plus, ThermoSpot XP, CondenseSpot XP, MultiMeter XP and ClampMeter XP

Touch
Air
Tip

Measuring range: ThermoSensor Air / Tip: -50°C…800°C
ThermoSensor Touch: -50°C…400°C

Inclusive: ThermoSensor, spiral cable

ORDER NO.	EAN-CODE	PU
Air 082.035.1	4 021563 676309	2
Tip 082.035.2	4 021563 676316	2
Touch 082.035.4	4 021563 688111	2

ThermoSensor Clamp

K-type-temperature sensor with heat resistent handle
– Temperature sensor for metallic pipes with diameters ranging from 6 to 35 mm (1/4"…3/8")
– Temperature measurement range: -40°C…100°C
– High clamping force for a secure grip
– Long measuring cable suitable for complex installations

For ThermoMaster, ThermoMaster Plus, ThermoSpot XP, CondenseSpot XP, MultiMeter XP and ClampMeter XP

1,5 m

max. 35 mm

Measuring range: -40°C…100°C
Accuracy: ± 2.5°C

Inclusive: ThermoSensor Clamp

ORDER NO.	EAN-CODE	PU
082.438A	4 021563 706235	2

Infrared temperature measurement

ThermoSpot Plus

Non-contact infrared temperature instrument with integrated laser
– The non-contact measuring method is ideal for measuring temperature in places difficult to access as well as for hazardous applications such as moving machine parts or electrical installations.
– Large temperature measurement range (-38°C…600°C)
– Emission ratio: 0.01…1.0 (adjustable)
– The 8-point laser circle pinpoints the measuring zone exactly
– Max-Read: The highest measured value is shown on the display during measurement.
– Lens: 12:1
– Illuminated display

Infrared temperature measuring range: -38°C…600°C
Accuracy: ± 2°C + 0.05°C / degree (-38°C…0°C)
± 2°C or ± 2% depending on the higher value (0°C…600°C)

Inclusive: ThermoSpot Plus, batteries, belt holster

ORDER NO.	EAN-CODE	PU
082.042A	4 021563 688081	2

Laser 650 nm | 2 | 2 x AAA | SOFT

ThermoSpot XP

MeasureNote App

50:1

Infrared temperature instrument for the precise measurement of surfaces in the high-temperature range with Digital Connection interface
– The non-contact measuring method is ideal for measuring temperature in places difficult to access as well as for hazardous applications such as moving machine parts or electrical installations.
– Large temperature measurement range (-40°C…1500°C)
– Emission ratio: 0.01…1.0 (adjustable) with quick selection of 5 memory locations
– The 8-point laser circle pinpoints the measuring zone exactly
– Min/Max/AVG/Dif function: The smallest, largest, average or difference infrared measured value can be displayed.
– Colour alarm function: Deviations from the desired temperature range are indicated in colour in the display.
– Connection for K-type temperature sensor
– Memory function: 50 storage locations
– Digital Connection interface for measurement data transfer
– Lens 50:1
– Illuminated multifunction display

Infrared temperature measuring range: **-40°C…1500°C**
Accuracy: ± (1°C + 0,1°C / 1°C) (-40°C…0°C)
± 1°C or ± 1% depending on the higher value (0°C…33°C)
± 2°C or ± 2% depending on the higher value (>33°C)

Contact temperature K-type: -30°C…1372°C
Accuracy: ± 1°C or ± 1% depending on the higher value

optional ThermoSensor Air / Tip / Touch / Clamp

Inclusive: ThermoSpot XP, batteries, carrying case

ORDER NO.	EAN-CODE	PU
082.043A	4 021563 698929	2

Laser 650 nm | 2 | | | 1/4" | 2 x AA | HARD
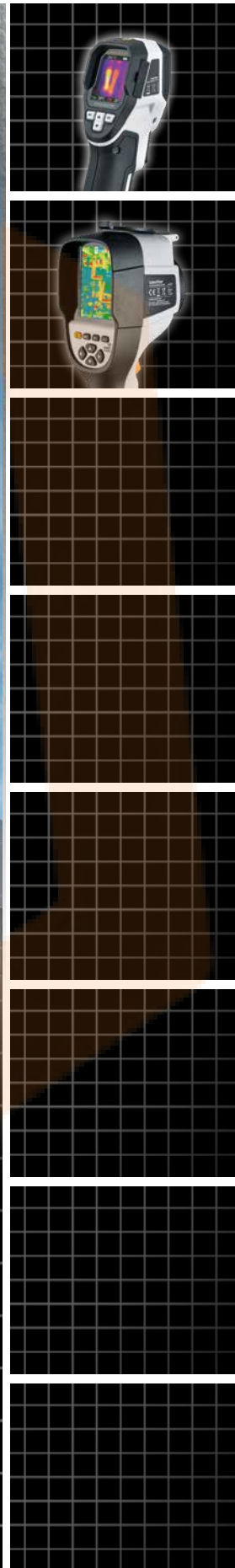
DIGITAL CONNECTION

Gratis – MeasureNote app
Multifunctional app for Laserliner measuring technology for measured data transfer

Thermal imaging cameras

Thermal visualisation and thermal analysis

Direct analysis on site

- ■ **Area evaluation**
- ■ **Immediate visual check**

Construction industry, heating and bathroom sector
– Underfloor and wall heating
– Analysis of heating valves and systems
– Detecting weak points in insulation

Electrical
– Detection of overloaded fuses and electrical circuits
– Avoidance of heat build-up
– Optimisation of temperature distribution

Industry
– Recognition of incipient damage to shafts, bearings
   and moving machine parts
– Checking workpieces, injection moulds and weak points in materials

Human and veterinary analysis
– Temperature screening in infectious diseases
– Applications in food industry
– Analysis and monitoring in animal husbandry and fattening facilities

Overview

	ThermoVisualizer Pocket	ThermoCamera Connect	ThermoCamera HighSense / Pro	
Measuring system	Thermoelectric array sensor 9 Hz, 8-14 µm	Uncooled microbolometer, 9 Hz, 8-14 µm	Uncooled microbolometer, 9 Hz, 8-14 µm	
Display	1.8" TFT colour display	3.2" TFT colour display	3.5" TFT colour display	
IR- temperature resolution	32 x 32 pixels	220 x 160 pixels	160 x 120 pixels	384 x 288 pixels
IR-Field of view (FOV)	33°	27° x 35°	20.7° x 15.6°	41.5° x 31.1°
IR-Focus	fixed 0.2 - 5 m	fixed 0.5 - 20 m	adjustable 0.5 - 30 m	adjustable 0.5 - 100 m
Thermal sensitivity (NETD @ 30°C)	0,15°C	0,07°C	0,05°C	
Measurement range	−20°C…650°C	-20…350°C	−20°C…650°C	
Accuracy	± 2°C or ± 2% of measured value	± 2°C or ± 2% of measured value	± 2°C or ± 2% of measured value	
Image modes	infrared image, digital image, MIX image	infrared image, digital image, MIX image	infrared image, digital image, MIX image, image-in-image	
Analysis function	colour palettes, real-time analysis	colour palettes, real-time analysis	colour palettes, real-time analysis, CustomApps for application-specific analysis	
Measuring points / function	central measuring point, hot/cold spot measurement	central measuring point, hot/cold spot measurement	point, line, area, hot/cold spot measurement	
Image / video function	● / −	● / −	● / ●	
Memory / USB / WIFI	● (Micro-SD) / − / −	● (internal) / − / ●	● / ● / ●	
Digital Connection		● / Browser	● / App	
Radiometric Software (PC)			●	

● = available
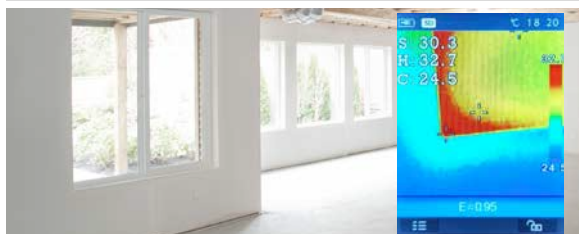
Thermal visualisation

ThermoVisualizer Pocket
NEW

Visualisation of temperature curves for use in construction, electrical engineering, and industrial applications
– High-resolution 1.8" colour display for reliable evaluation and analysis of temperature conditions
– – Infrared sensor with 32 x 32 pixesl resolution
– Large measuring range from -20°C…650°C
– Visualisation of temperature curves, energy loss, thermal bridges and electrical overloads
– Flexible display with infrared image, digital image and mix image
– Wide range of possible applications thanks to large measuring range
– Data storage on exchangeable micro-SD card
– High-contrast TFT colour display
– USB interface
– Min./Max.-display
– Auto power off

IR sensor:	Thermoelectric array sensor
Resolution:	**32 x 32 pixels**
IR optics:	High-quality infrared lens
FOV:	**33°**
Focus:	**fixed 0.2 - 5 m**
Thermal sensitivity:	NETD 0,15°C
Measuring range:	–20°C…650°C
Accuracy:	≤100°C (± 3°C), >100°C (± 3%)
Display:	1,8" TFT colour display
Image modes:	Infrared image, digital image, MIX image
Digital camera:	Resolution 640 x 480 pixels
Format:	BMP format
Memory:	Micro-SD memory card up to 16 GB
Interface:	WIFI
Connections:	Mini-USB

Inclusive: ThermoVisualizer Pocket, micro-SD memory card, batteries, carrying case

ORDER NO.	EAN-CODE	PU
082.074A	4 021563 713639	1

DISPLAY	1,8" colour TFT	CAMERA	640 x 480 pixel	REC jpg	micro SD	IP 54	4x AAA	SOFT

ThermoCamera Connect

Compact thermal imaging camera for applications in construction, electrical engineering and mechanical engineering with WLAN interface
– High-resolution 3.2" colour display for reliable evaluation and analysis of temperature conditions
– Infrared sensor with 220 x 160 pixels resolution enables quick and easy measurement for evaluating temperature profiles
– Large measuring range from -20°C…350°C
– Adjustable emissivity range from 0.01 to 1.0 or selection from material table
– Analysis in various image modes –
  Full screen: infrared image, digital image
  MIX image: Crossfade infrared/digital image
– Central measuring point for temperature analysis and additional hot/cold spot measurement
– Selectable standard colour pallets:
  SPECTRUM, IRON, COOL, WHITE, BLACK
– Digital Connection: Data transfer and control via WIFI, with display of the infrared live image
– Simple and easy to operate thanks to easy-to-access menu buttons

IR sensor:	Uncooled microbolometer, 9 Hz, 8-14 µm
Resolution:	**220 x 160 pixels**
IR optics:	High-quality infrared lens
FOV:	**27° x 35°**
Focus:	**fixed 0.5 - 20 m**
Thermal sensitivity:	NETD 0.07°C @ +30°C
Measuring range:	–20°C…350°C
Accuracy:	± 2°C or ± 2% of measured value
Display:	3.2" TFT colour display
Image modes:	Infrared image, digital image, MIX image
Digital camera:	Resolution 640 x 480 pixels
Format:	JPEG format
Memory:	Integrated SD memory (more than 20,000 images)
Port:	WLAN
Connections:	Micro-USB (charging)
Other features:	Choice of 9 languages

Inclusive: ThermoCamera Connect, Li-Ion battery pack with power supply/battery charger and international adapter, USB charging cable, carrying case

ORDER NO.	EAN-CODE	PU
082.086A	4 021563 706730	1

CONNECT IP 192.168.230.1

DISPLAY	3,2" colour TFT	CAMERA	640 x 480 pixel	REC jpg	DC	IP 54	Li-Ion Battery	RECHARGE	HARD

**Clearly structured work.
Accurate measurement.**

Thermal analysis

ThermoCamera HighSense

NEW

High-resolution thermal imaging camera for use in the construction industry, mechanical engineering and electrical engineering – perfect for detailed image analysis

– The ideal solution for detailed image analysis and identifying extremely small temperature differentials using high-resolution infrared microbolometer sensors
– Versatile applications in construction work, and electrical and mechanical engineering
– High thermal sensitivity, ideal for building thermography, for identifying thermal bridges, failed insulation, overheating, analysis of heating pipes, identifying defective solar cells
– Infrared sensor with 160 x 120 pixels resolution
– Large measuring range from -20°C…650°C
– Optimum image quality through precise automatic calibration and manual focus
– Comprehensive analysis using infrared image and MIX image (automatic overlay of infrared and digital images)
– Appropriate representation of recorded infrared temperatures using 8 standard and 4 special colour palettes
– Versatile control by touchscreen and buttons
– LLong operating life due to second battery pack included in the scope of delivery
– Easy addition of text notes using editor function
– Image and video storage on exchangeable micro-SD card
– Digital Connection: Data transfer and control via WIFI or USB type C with display of the infrared live image

IR sensor:	Uncooled microbolometer, 9 Hz, 8-14 µm
Resolution:	**160 x 120 pixels**
IR optics:	Germanium-infrared lens
FOV:	**20,7° x 15,6°**
IFOV	**2,26 mrad**
Focus:	**adjustable approx. 0,5 - 30 m**
Thermal sensitivity	NETD 0,05 @ +30°C
Measuring range:	−20°C…150°C, 0°C…650°C
Accuracy:	± 2°C or ± 2% of measured value
Image modes:	Infrared image, digital image, MIX image, image-in-image
Image function:	32x digital zoom
Digital camera:	Resolution 640 x 480 Pixel
Format:	JPEG format, MPEG-4
Memory:	Micro-SD memory card 8 GB
Interface:	WIFI, USB type C
Connections:	Micro-SD, USB type C, 1/4" tripod thread

MORE POWER

Inclusive: ThermoCamera HighSense, 2 x Li-Ion battery pack, charging cradle with power supplay/charger and international adapters, USB-cabel, 8 GB micro-SD-card with adapter, carrying case
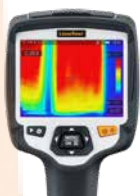
IR-SENSOR 160 x 120 pixel

With Radiometric software

ORDER NO.	EAN-CODE	PU
082.075A	4 021563 688067	1

ThermoCamera HighSense Pro

NEW

IR-SENSOR 384 x 288 pixel

Product description same as ThermoCamera HighSense
– IR-sensor resolution: 384 x 288 pixels
– FOV: 41,5° x 31,1°
– IFOV: 1,89 mrad
– Focus: adjustable ca. 0,5 - 100 m

Inclusive: ThermoCamera HighSense Pro, 2 x Li-Ion battery pack, charging cradle with power supplay/charger and international adapters, USB-cabel, 8 GB micro-SD-card with adapter, carrying case
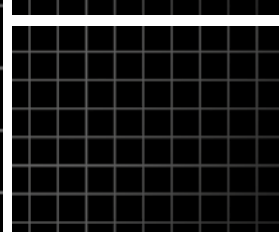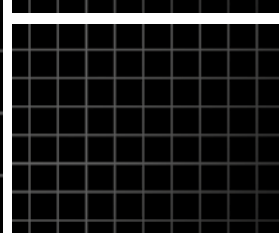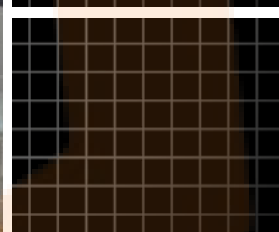
ORDER NO.	EAN-CODE	PU
082.076A	4 021563 719358	1

DISPLAY 3,5" colour TFT | ZOOM 32x | **CAMERA** 640 x 480 pixel | REC jpg/mp4 | Micro SD | USB-C | IP 54 1/4" | Li-Ion Battery | Software Download | RECHARGE | HARD

Radiometric software – measure and adapt colour values

Image pixels can be professionally edited for comparable temperature overviews.

Environment and special measuring devices

Measurement of air flow, sound and paint layer thicknesses

AirflowTest-Master

Professional anemometer for measuring air flow, volumetric flow and wind speed
– Integrated sensor for measuring ambient temperature, relative humidity and dew point calculation
– Digital Connection: USB interface for saving measured data
– PC software for real-time logging
– Large impeller: 65 mm
– Min./Max. display
– 1/4" tripod connection for long-term measurement
– Illuminated, clearly arranged display with permanently visible ambient temperature and relative humidity

Measuring range / Accuracy:
Flow rate: 0.80...30 m/s / ± 2%
Ambient temperature: -10...60°C / ± 1.5°C
Relative humidity: 20%...80% / ± 3%
Measuring range:
Airflow: 0...99990 CMM

Inclusive: AirflowTest-Master, software, USB cable, batteries, carrying case

ORDER NO.	EAN-CODE	PU
082.140A	4 021563 680566	2

SoundTest-Master

Noise level measuring instrument with integrated long-term storage
– Measurement of noise levels with frequency weighting filter according to dB (A) and dB (C) standard curves as per IEC 61672 (type 2)
– Selectable time weighting factors (fast 125 ms/slow 1 s) for optimum adaptation to noise dynamics
– Long-term recording function with 16,000 storage points or real-time logging on PC
– Selectable analogue indicator for visual assessment
– Calibrated and adjusted by means of standard 94 dB/1 kHz noise level calibrator
– Sensitive electret condenser microphone with detachable wind guard
– Analogue outputs: DC and AC
– Digital Connection: PC software
– Illuminated, transparent display

Measuring range / Accuracy:
30...130 dB (A,C) / ± 1.5 dB
Frequency range:
31.5 Hz...8 KHz

DATA-LOGGING/-RECORDING directly and at the PC

Inclusive: SoundTest-Master, software, USB cable, batteries, carrying case

ORDER NO.	EAN-CODE	PU
082.070A	4 021563 676330	2

CoatingTest-Master

**Coating thickness measuring instrument for measuring non-metallic layers on metal surfaces**
– Coating thickness measurement based on induction or eddy current principle
– Measurable coatings: non-magnetic coatings (paint), insulating coatings (paint) on non-ferrous metals
– Automatic identification of base material (ferrous / ferromagnetic, non-ferrous / non-ferromagnetic)
– Internal memory for 400 measured values
– One-point and two-point calibration
– USB interface for transferring measurement data and software evaluation
– Min./Max./Avg display
– Illuminated, transparent display

Magnetic induction
Measuring range: 0...1250 µm
Accuracy: 0...850 µm / (± 3% ± 1 µm), 850...1250 µm / (± 5%)
Eddy current principle
Measuring range: 0...1250 µm
Accuracy: 0...850 µm / (± 3% ± 1 µm), 850...1250 µm / (± 5%)
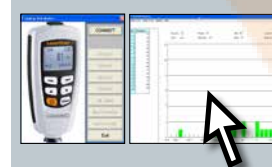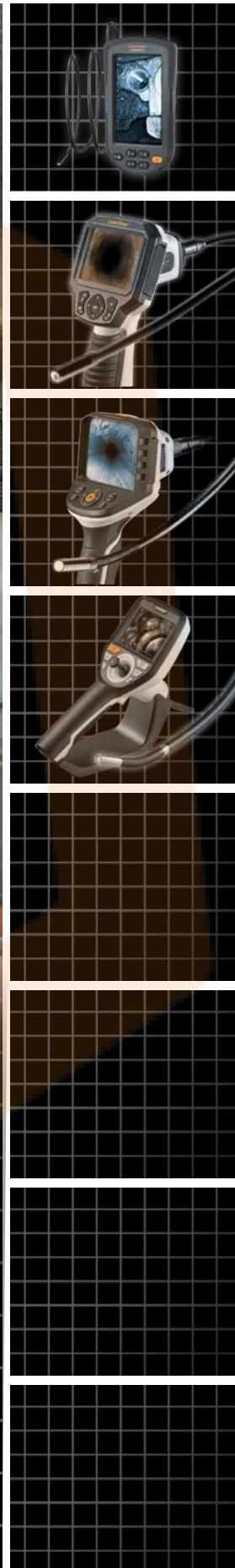
DATA-LOGGING/-RECORDING directly and at the PC

Inclusive: CoatingTest-Master, calibration references, software, USB cable, batteries, carrying case
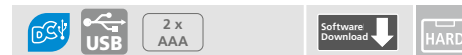
ORDER NO.	EAN-CODE	PU
082.150A	4 021563 680597	2

Video inspection

Video endoscopes

MICRO-DIGITAL INSPECTION

Special applications and places difficult to access require innovative solutions to ensure optimum use. The smaller and more stable the camera unit the more varied the applications – whether used at home, in industry or by craftsmen.

Accessories

TopClips — Clip mechanism for easy attachment and removal on camera head

TopGuide — The specially ground sleeve allows for optimal gliding on uneven surfaces, for example dirty pipes.

Overview

	VideoPocket HD	VideoScope XXL	VideoFlex G4 / Micro / XXL / Ultra				VideoFlex HD Duo / Micro		VideoInspector 3D
Camera	1280 x 720 pixels	640 x 480 pixels	640 x 480 pixels				1280 x 720 pixels		960 x 720 pixels
Colour display	480 x 272 pixels	320 x 240 pixels	320 x 240 pixels				1280 x 720 pixels		640 x 480 pixels
180° image rotation	●	●	●				●		●
Zoom-function	2x in 25% increments	1.5x in 10% increments	2x in 20% increments				2x in 10% increments		4x in 10% increments
LED-lighting	6 LEDs	4 LEDs	4 LEDs				6 + 1 LEDs		6 LEDs
Data storage	●	●	●				●		●
Image recording	●	●	●				●		●
Video recording	●	●	●				●		●
External image output		Video out	Video out				USB-C		HDMI
3D-function									●
Length of flex cable	1 m	5 m	1.5 m	1.5 m	5 m	10 m	3 m	2 m	1 m
Camera head ø	5.2 mm	9 mm	9 mm	6 mm	9 mm	9 mm	7.9 mm	3.9 mm	6 mm
Camera head / IP class	IP 67	IP 68	IP 68				IP 68		IP 68
Li-ion battery pack			●				●		●
Accessory TopClips	●	○			●	●	●		
Accessory TopGuid		●			●	●			

● = available   ○ = optional

Video endoscopes

VideoPocket HD
NEW

ø 5,2 mm

High-resolution compact video inspection system with large display for hard-to-reach places
– 2x digital zoom in 25% increments
– Powerful object lighting thanks to
  6 high-performance LEDs
– Manual 180° image rotation on the monitor
– Small camera unit ideal for hard-to-reach places
– Identify specific differences with the compare
  image function
– Camera head: ø 5,2 mm
– DOF: Focal depth 3…8 cm
– TopClips: Hook, magnet and mirror
  attachments for fixing on the camera head

1 m
DOF 3…8 cm

Image / video format: JPEG / AVI
Memory (external): Supports up to max.32 GB micro SD-card

Inclusive: VideoPocket HD, TopClips,
8 GB micro-SD-card, batteries, carrying case

ORDER NO.	EAN-CODE	PU
082.262A	4 021563 721917	2

CAMERA			DISPLAY									
1280 x 720 pixel	LED LIGHT	IP 67		480 x 272 pixel	4,3" TFT	180°	ZOOM 2x	REC	micro SD	MICRO USB	4 x AA	HARD

Accessories
Hook, magnet and mirror attachments for fixing on the camera head

Hook-/ magnet attachment
Pull/lift difficult
to reach objects

Mirror attachment
Mirror allows objects
to be viewed at 90° angle

VideoScope XXL set

ø 9 mm

Compact inspection camera with featuring record function
– The camera head on the flexible cable transmits
  images directly to the LC monitor.
– REC-Function: still picture and video can
  be recorded for a later analysis.
– Formattable SDHC-card
– Digital Connection: Direct data transfer to PC
– Powerful object lighting thanks to
  4 high-performance LEDs
– 1.5x digital zoom in 10% increments
– DOF: Focal depth 3…7 cm
– Connection of external monitors via TV Out
– The compact camera head is small enough to
  inspect even inaccessible areas.
– Manual image rotation by 180° on the monitor
– Camera head: ø 9 mm

5 m
DOF 1…6 cm

Image / video format: JPEG / AVI
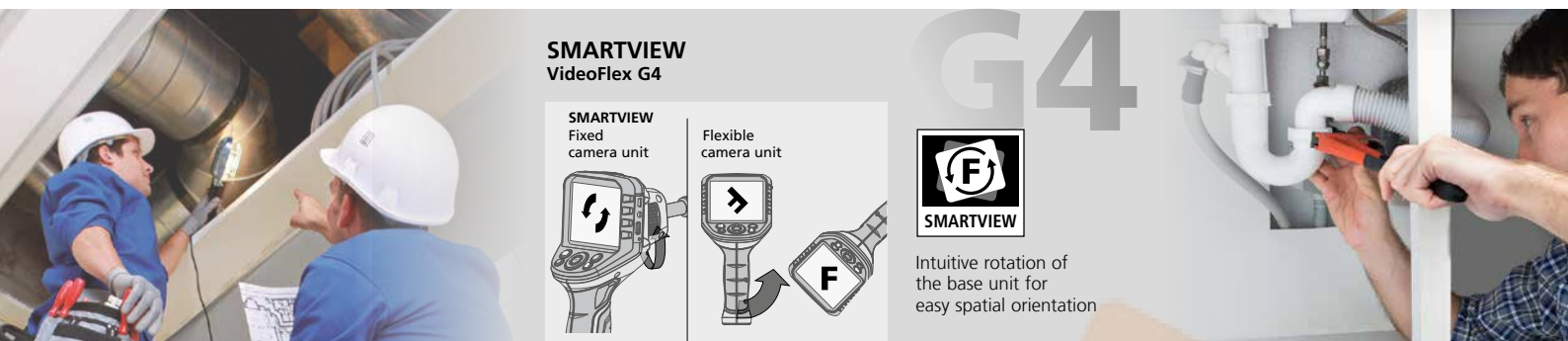**Memory (external):** Supports up to max.8 GB micro SD-card

Inclusive: VideoScope XXL 5 m, TopGuide, USB cable, software,
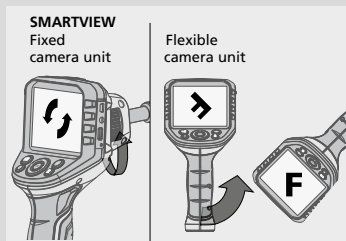4 GB micro-SD, batteries, carrying case

ORDER NO.	EAN-CODE	PU
082.258A	4 021563 703739	2

CAMERA			DISPLAY										
640 x 480 pixel	LED LIGHT	IP 68		320 x 240 pixel	3,5" TFT	180°	ZOOM 1,5x	REC	SD HC	DSt	VIDEO OUT	4 x AA	Software Download	HARD

Video endoscopes

SMARTVIEW
VideoFlex G4

SMARTVIEW
Fixed camera unit

Flexible camera unit

SMARTVIEW

Intuitive rotation of the base unit for easy spatial orientation

VideoFlex G4

VideoFlex G4
– Professional video inspection system for visually inspecting areas that are difficult to access
– 2x digital zoom in 20% increments
– SmartView: optimal image alignment
– Connection of external monitors via TV Out
– REC-Function: picture and video
– Formattable SDHC-card
– Digital Connection: USB-C interface for analysis on PC
– Screen size: 3.5"
– Manual 180° image rotation on the monitor
– Mirror function for correcting mirror-inverted images.
– Quick replacement of camera snake depending on the application

1,5 m
DOF 1…6 cm

FlexCamera 1,5 m
– The camera head on the flexible cable transmits images directly to the LC monitor.
– Powerful object lighting thanks to 4 high-performance LEDs
– Bright LED lighting means that the camera is able to provide clear still images and video recordings even when lighting conditions are at their poorest.
– The compact camera head is small enough to inspect even inaccessible areas.
– DOF: Focal depth 1…6 cm

Image / video format: JPEG / AVI
Memory (external): Supports up to max. 16 GB SDHC-card

RECHARGE
LI-ION BATTERY PACK
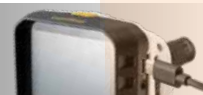
Inclusive: VideoFlex G4, FlexCamera 1,5 m, Li-ion battery pack, power supply/battery charger incl. international adapter, USB cable, 4 GB micro-SD, video cable, carrying case

ø 9 mm | SMARTVIEW

ORDER NO.	EAN-CODE	PU
082.242A	4 021563 715749	2

VideoFlex G4 Micro

Product description same as VideoFlex G4 with MicroCamera 1,5 m
– DOF: Focal depth 1…6 cm

1,5 m
DOF 1…6 cm

ø 6 mm

Inclusive: VideoFlex G4, MicroCamera 1,5 m, Li-ion battery pack, power supply/battery charger incl. international adapter, USB cable, 4 GB micro-SD, video cable, carrying case

ORDER NO.	EAN-CODE	PU
082.241A	4 021563 715732	2

VideoFlex G4 XXL

Product description same as VideoFlex G4 with XXLCamera 5 m
– DOF: Focal depth 1…6 cm

5 m
DOF 1…6 cm

ø 9 mm

Inclusive: VideoFlex G4, XXLCamera 5 m, Li-ion battery pack, power supply/battery charger incl. international adapter, USB cable, 4 GB micro-SD, video cable, TopClips G4, TopGuide G4, carrying case

ORDER NO.	EAN-CODE	PU
082.243A	4 021563 715756	2

VideoFlex G4 Ultra

Product description same as VideoFlex G4 with UltraCamera 10 m
– DOF: Focal depth 1…6 cm

10 m
DOF 1…6 cm

ø 9 mm

Inclusive: VideoFlex G4, UltraCamera 10 m, Li-ion battery pack, power supply/battery charger incl. international adapter, USB cable, 4 GB micro-SD, video cable, TopClips G4, TopGuide G4, carrying case

ORDER NO.	EAN-CODE	PU
082.240A	4 021563 715725	2

CAMERA 640 x 480 pixel | LED LIGHT | IP 68 | **DISPLAY** 320 x 240 pixel | 3,5" TFT | 180° | ZOOM 2x | REC | | | USB-C | Li-ion Battery | RECHARGE | HARD

Video endoscopes

G4 SPECIAL VERSION

PROFESSIONALS AT WORK

The professional programm of VideoFlex G4 is suitable for the visual inspection of hard to reach places, such as pipelines, canals, ventilation pipes and exhaust gas systems. The different camera units and set options are adapted to different applications in manufacturing and the construction industry.

VideoFlex G4 Vario

ø 17 mm

SMARTVIEW

Product description same as VideoFlex G4 with VarioView Camera 1,5 m
– Camera head with a manual, step by step adjustable pivot range of 180°
– Good object lighting due to high-performance LED
– DOF: Focal depth 3…7 cm
– Bending radius min. 75 mm

1,5 m DOF 3…7cm

Inclusive: VideoFlex G4, VarioView Camera 1,5 m, Li-ion battery pack, power supply/battery charger incl. international adapter, USB cable, 4 GB micro-SD, video cable, carrying case

ORDER NO.	EAN-CODE	PU
082.247A	4 021563 716012	2

VideoFlex G4 Duo

ø 10 mm

SMARTVIEW

Product description same as VideoFlex G4 with additional side camera and lighting
– Additional side camera: Front and side camera for quick change of view at the touch of a button
– 4 high-performance, high-intensity LEDs on the front camera for powerful object lighting and 2 LEDs on the side camera
– DOF: Focal depth 3…5 cm / 1…5 cm
– Bending radius min. 50 mm

1 m DOF 3…5 cm DOF 1…5 cm

2-IN-1

Inclusive: VideoFlex G4, DuoView Camera 1 m, Li-ion battery pack, power supply/battery charger incl. international adapter, USB cable, 4 GB micro-SD, video cable, carrying case

ORDER NO.	EAN-CODE	PU
082.244A	4 021563 715985	2

CAMERA 640 x 480 pixel | LED LIGHT | IP 67 | HARD

VideoFlex G4 ArcView

ø 9 mm

SMARTVIEW

Product description same as VideoFlex G4 with ArcView Camera 1 m
– Adjustable camera head: Camera unit for VideoFlex with mechanically adjustable camera head
– Powerful object lighting thanks to 4 high-performance LEDs
– DOF: Focal depth 3…5 cm
– Bending radius min. 100 mm

1 m DOF 3…5 cm

Inclusive: VideoFlex G4, ArcView Camera 1 m, Li-ion battery pack, power supply/battery charger incl. international adapter, USB cable, 4 GB micro-SD, video cable, carrying case

ORDER NO.	EAN-CODE	PU
082.245A	4 021563 715992	2

Video endoscopes

QUICK ADAPTER
MULTICONNECT-SYSTEM

G4

VideoFlex G4 Master set

NEW

5 m
DOF 1…6 cm

+ **CAMERA XXL + FIX VIEW**

0,4 m
DOF 3…7 cm

SMARTVIEW

Digital FLEX-inspection system-Set – VideoFlex G4 with XXLCamera 5 m and FixView Camera 0,4 m

VideoFlex G4
– Product description same as VideoFlex G4 page 26

XXL Camera
– DOF: Focal depth 1…6 cm

FixView Camera
– 4 mm thin microcamera for inspecting extremely small openings
– 4 high-performance LEDs for powerful object lighting at the camera
– DOF: Focal depth 3…7 cm
– With accessories TopClips and TopGuide

ø 9 mm

ø 4 mm

Inclusive: VideoFlex G4, Li-ion battery pack, FixView Camera 0,4 m, XXLCamera 5 m with TopClips, TopGuide, power supply/battery charger incl. international adapter, USB cable, 4 GB micro-SD, video cable, complete in the L-Boxx 136

VIDEOFLEX G4 XXL

VIDEOFLEX G4 FIXVIEW

ORDER NO.	EAN-CODE	PU
082.244L	4 021563 725946	2

CAMERA XXL	640 x 480 pixel	LED LIGHT	IP 68

CAMERA FIX VIEW	320 x 240 pixel	LED LIGHT	IP 67

DISPLAY	320 x 240 pixel	3,5" TFT	180°	ZOOM 2x

REC · SD HC · DSF · USB-C · Li-ion Battery · RECHARGE · HARD

XXLCamera 5 m

5 m
DOF 1…6 cm

ø 9 mm

Camera unit for use over long distances
– 4 high-performance LEDs for powerful object lighting at the camera
– DOF: Focal depth 1…6 cm
– Length of flex cable: 5 m

Inclusive: XXLCamera 5 m

ORDER NO.	EAN-CODE	PU
082.219A	4 021563 698851	2

UltraCamera 10 m

10 m
DOF 1…6 cm

ø 9 mm

Camera unit for use over long distances
– 4 high-performance LEDs for powerful object lighting at the camera
– DOF: Focal depth 1…6 cm
– Length of flex cable: 10 m

Inclusive: UltraCamera 10 m

CAMERA	640 x 480 pixel	LED LIGHT	IP 68

ORDER NO.	EAN-CODE	PU
082.220A	4 021563 695485	2

Industrial endoscope

1280 x 720 pixel

0,4 m DOF 3...8 cm

VideoFlex HD Duo

NEW

ø 7,9 mm

3 m DOF 3...8 cm
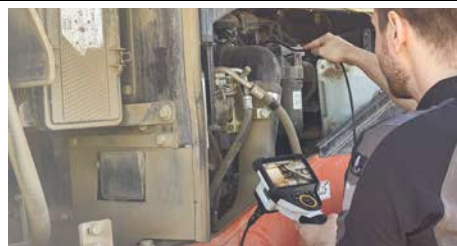
Professional, high-resolution video inspection system with front and side view option

VideoFlex HD
– Effective problem localisation behind or in objects, walls, pipes, cavities
– Very detailed image and video capture using high-resolution camera and 1:1 reproduction on the display with no loss of quality
– 2x digital zoom in 10% increments
– REC-Function: picture and video
– Extremely clear digital zoom due to camera's high resolution
– Screen size: 5"
– Manual 180° image rotation on the monitor
– Suitable image available on the monitor through rotation and mirroring
– Webcam function for live transmission of inspections to a PC – perfect for stationary operation in industry
– Optimum greyscale contrast reproduction

DuoView Camera 3 m
– Quick change of view at the touch of a button thanks to front and side cameras
– 6 high-performance LEDs on the camera and 1 LED on the side for powerful object lighting
– Camera head and probe resistant to petrol and diesel
– DOF: Focal depth 3…8 cm
– Hook and magnet attachments for fixing on the camera head

Camera:	Resolution: 1280 x 720 pixels
Display:	5" TFT-Colour display Resolution: 1280 x 720 pixels
Image / video format:	JPEG / MPEG4
Memory (external):	Supports up to max.32 GB micro SD-card

Accessories

Hook, magnet and mirror attachments for fixing on the camera head

HIGH CAPACITY PACK

USB-C

Inclusive: VideoFlex HD, DuoView Camera 3 m, TopClips, HighCapacityPack (Li-ion), power supply/charging device incl. international adapter, USB-C-Cabel, magnetic holder, micro-SD-card, carrying case

ORDER NO.	EAN-CODE	PU
082.280A	4 021563 713622	1

VideoFlex HD Micro

NEW

ø 3,9 mm

Product description same as VideoFlex HD Duo mit MicroCamera 2m
– Small camera head, ideal for places that are hard to reach
– 6 high-performance LEDs on the camera for powerful object lighting
– Camera head and probe resistant to petrol and diesel
– DOF: Focal depth 3…8 cm

2 m DOF 3...8 cm

Inclusive: VideoFlex HD, MicroCamera 2 m, HighCapacityPack (Li-ion), power supply/charging device incl. international adapter, USB-C-Cabel, magnetic holder, micro-SD-card, carrying case

ORDER NO.	EAN-CODE	PU
082.281A	4 021563 723324	1

CAMERA | 1280 x 720 pixel | LED LIGHT | IP 68 | DISPLAY | 1280 x 720 pixel | 5" TFT | 180° | ZOOM 2x | REC | micro | DS | USB-C | Li-ion Battery | | HARD

Industrial endoscope

TITAN

max. **210°**

360°

VideoInspector 3D

3D

ø 6 mm

1 m
DOF 2,5…10 cm

HDMI

Professional video inspection system with individually flexible camera head
– Manual 3D control of the small titanium camera head which moves through max. 210°
– The camera head on the flexible cable transmits images directly to the LC monitor.
– Powerful object lighting thanks to 6 high-performance ceramic LEDs
– Bright LED lighting means that the camera is able toprovide clear still images and video recordings even when lighting conditions are at their poorest.
– 4x digital zoom in 10% increments
– Connection of external monitors via HDMI
– REC-Function: picture and video
– Hold function: freeze frame
– Screen size: 3.5"
– Image rotation in 90° increments
– DOF: Focal depth 2.5…10 cm
– High-grade, long-life flexible tungsten tubing
– Micro USB port for charging battery
– Replaceable camera unit

Image / video format: JPEG / BMP / MP4
Memory (external): Supports up to max. 8 GB SDHC-card

RECHARGE
LI-ION BATTERY PACK

Replaceable camera unit

Inclusive: VideoInspector 3D, MicroCamera 1 m, Li-ion battery pack, magnetic holder, USB charge cable, HDMI cable, 8 GB micro-SD, card reader, screwdriver, carrying case

ORDER NO.	EAN-CODE	PU
082.270A	4 021563 708208	1

| CAMERA | 960 x 720 pixel | LED LIGHT | IP 68 | DISPLAY | 640 x 480 pixel | 3,5" TFT | 360° | ZOOM 4x | REC | SD HC | Li-ion Battery | | HARD |

Electrical meters

V~
230 V

V⎓
24 V

V⎓
12 V
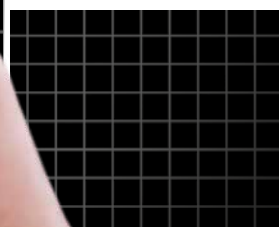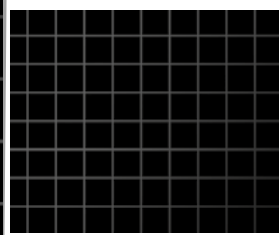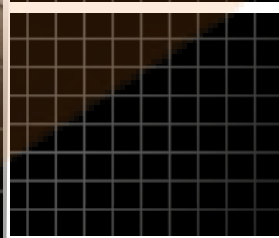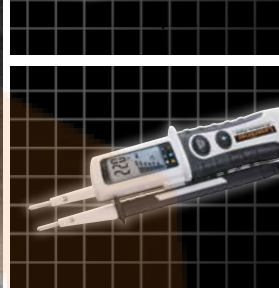
Voltage testers, multimeters and cable detector

BUILDING INSTALLATIONS
AND ELECTRICAL SYSTEMS

Whether non-contact voltage tester, fully-protected multimeter or universal cable tracer: Professional tradesmen appreciate the varied functions of electrical tester and will find the right measuring instrument for the job here. The user guide provides an overview of electrical test segments and working ranges.

Overview

Working ranges	Active Finder One	ActiveFinder Plus / Pro / XP	ActiveMaster Digital	MultiMeter Pocket XP	MultiMeter XP	Clamp-Meter XP	CableTracer Pro
Detecting AC	50 - 1000 V contactless	24 -... / 100 -... / 12 - 1000 V contactless	110 - 230 V	110 - 230 V contactless	110 - 230 V contactless	110 - 230 V contactless	110 - 230 V contactless
Locating Electrical / metal lines							12 - 250 V zero-potential / mains voltage
Verifying Function / continuity test	phase	phase	continuity / phase	continuity / Diodes	continuity / Diodes / Low Z	continuity / Diodes	
Identifying Voltages			12, 24, 36, 50, 120, 230, 400, 690 V				12, 50, 120, 230, 400 V
Quantifying Units			5 - 690 V	V, A , Ω, F, %, Hz	V, A , Ω, F, %, Hz, °C / °F	V, A , Ω, F, %, Hz, °C / °F	
Overvoltage categories CAT	CAT III 1000V	CAT III 1000V / CAT IV 1000V	CAT IV 1000V / CAT II 1000V / CAT III 1000V / CAT IV 600V	CAT III 600V / CAT IV 600V	CAT III 1000V / CAT IV 600V	CAT III 1000V / CAT IV 600V	CAT II 300V / CAT III 300V

Detecting	Detecting electrical alternating fields / potential
Locating	Locating line routing with transmitter and receiver
Verifying	Function and continuity test
Identifying	Identifying voltages
Quantifying	Determining electrical variables
Overvoltage categorie	Safety classification of working voltage and voltage peaks

Electrical variable	Description	Unit	Alternating current = AC Direct current = DC
U	Voltage	V (volt)	AC / DC
I	Current	A (ampere)	AC / DC
R	Resistance	Ω (ohm)	DC
C	Capacitance	F (farad)	DC
f	Frequency	Hz (hertz)	AC
V	Duty factor	% (percent)	AC
T	Temperature	°C / °F	

DIGITAL CONNECTION

Gratis – MeasureNote app

Multifunctional app for Laserliner measuring technology for a fast data transfer

Measurement and documentation app for smartphones and tablets

TOOLS WITH COMMUNICATION

- Store measured data in one place with map
- Insert markers in photos
- Send object photos with measured values by email, WhatsApp etc
- The last known location of the unit is stored
- Automatic voice output of measured values
- Direct link to operating instructions
- Calculator
- Note down important details
- Languages: DE, EN, NL, DA, FR, ES, IT, PL, FI, SV, NO, JA

Phase and voltage testers

ActiveFinder One

**Contactless voltage tester –
Localisation of electrical fields**
– Locates electrical voltages in cables, sockets,
  bulb sockets and fuses
– Tracing live cables, e.g. at power sockets
  and terminals
– Finds breaks in wires and cables
– Indication of electrical voltages with visual
  LED multicolour signalling and acoustic warning

Voltage range:
50…1000 V/AC, frequency: 50…60 Hz

Inclusive: ActiveFinder One, batteries

ORDER NO.	EAN-CODE	PU
083.004A	4 021563 705061	5

CAT III 1000V · AutoSound · 2x AAA

ActiveFinder Plus

**Contactless handy voltage tester –
work safely on electrical lines**
– Locates electrical voltages in cables, sockets,
  bulb sockets and fuses
– Tracing live cables, e.g. at power sockets
  and terminals
– Finds breaks in wires and cables
– Extremely high sensitivity for tracing lines
  at great depths (Zoom)
– Clearly visible LED for signalling electrical voltages
– Integrated flashlight

Voltage range:
24…1000 V/AC, frequency: 50…60 Hz

Inclusive: ActiveFinder, softbag, batteries

ORDER NO.	EAN-CODE	PU
083.011A	4 021563 695638	5

CAT III 1000V · AutoSound · 2x AAA · SOFT

ActiveFinder Pro

**Contactless handy voltage tester –
localisation of electrical wiring and systems**
– Locates electrical voltages in cables,
  sockets, bulb sockets, fuses as well as
  control cabinet and system components
– Tracing live cables, e.g. at power sockets
  and terminals
– Finds breaks in wires and cables
– Indication of electrical voltages with visual
  LED multicolour signalling and acoustic warning
– Integrated flashlight

Voltage range:
100…1000 V/AC, frequency: 50…60 Hz

Inclusive: ActiveFinder Pro, softbag, batteries

ORDER NO.	EAN-CODE	PU
083.014A	4 021563 705078	5

CAT IV 1000V · AutoSound · 2x AAA · SOFT

ActiveFinder XP

**Professional, contactless voltage tester –
localisation of electrical wiring and systems**
– Locates electrical voltages in cables,
  sockets, bulb sockets, fuses as well as
  control cabinet and system components
– Tracing live cables, e.g. at power sockets
  and terminals
– Finds breaks in wires and cables
– Indication of electrical voltages with visual
  LED multicolour signalling, acoustic
  and vibration warning
– For tracing lines at great depths (Zoom)
– Powerful, integrated flashlight
– Rugged, impact-resistant waterproof housing

Voltage range:
12…1000 V/AC, frequency: 50…60 Hz

Inclusive: ActiveFinder XP, softbag, batteries

ORDER NO.	EAN-CODE	PU
083.013A	4 021563 698905	5

CAT IV 1000V · AutoSound · IP 67 · 2x AAA · SOFT

ActiveMaster Digital

**Digital voltage and continuity tester with bar graph
and numerical measured value display**
– Voltage tester with the most commonly used
  nominal voltages
– Automatic AC voltage and DC voltage test
– Automatic range and function changeover
  for direct testing and measurement
– Single-phase and rotary field test
  with phase sequence display
– Single-pole phase testing
– Automatic continuity tester with acoustic signal
– Safety self-test (AC warning) as from 50 V,
  operates in emergency mode without battery
– Rugged, practical enclosure with lockable test
  prod spacing (for standard EU connector)

LC-display / resolution:
3.5 places, 1999 digit / 1 V AC/DC (numerical display)
Voltage range:
6, 12, 24, 50, 120, 230, 400, 690 V AC/DC (bar graph display)
Peak current:
Is < 3.0 mA

Inclusive: ActiveMaster Digital, protective covers,
batteries

ORDER NO.	EAN-CODE	PU
083.025A	4 021563 679836	2

CAT II 1000V · CAT III 1000V · CAT IV 600V · AutoSound · IP 64 · 2x AAA

Multimeters

DIGITAL CONNECTION

230 volt

MultiMeter Pocket XP

Precise and robust professional multimeter in a compact design with Digital Connection interface
– Precise voltage, current, resistance, capacitance, frequency and duty factor measurement
– Automatic range changeover and manual range preselection
– Automatic continuity tester
– Diode test function for determining integrity and polarity
– Digital Connection interface for measurement data transfer
– High display resolution of 4000 counts for exact determination of all measured quantities
– Large measurement bandwidth for frequency measurement from 10 Hz to 10 kHz
– Min./Max function
– Compact, impact-resistant enclosure with base support and selector switch
– Large, easy-to-read LC display

MeasureNote App

Voltage range:	V/DC: 400 mV…4…40…400 V / 600 V ± (1,0% / 1,2%) V/AC: 4…40…400 V / 600 V ± (1,0% / 1,2%)
Current range:	A/DC: 400 µA / 4…40…400 mA / 10 A ± (1,0% / 1,5% / 2,5%) A/AC: 400 µA / 4…40…400 mA / 10 A ± (2,0% / 2,5% / 3,0%)
Resistance range:	400 Ω / 4…40…400 kΩ…4 MΩ / 40 MΩ ± (1,0% / 1,5% / 3,5%)
Capacitance range:	40 nF / 400 nF…4…40 µF / 400 µF / 4000 µF ± (5,0% / 3,0% / 4,0% / 5,0%)
Frequency range:	10…100…1000 Hz…10 kHz / ± 1,0%
Duty factor range:	1,0…99% / ± 1,2%

Inclusive: MultiMeter Pocket XP, 2 test prods, softbag, batteries

ORDER NO.	EAN-CODE	PU
083.036A	4 021563 699391	2

CAT III 600 V | CAT IV 600 V | AutoSound | DC | 2x AAA | SOFT

MultiMeter XP

Precise and robust professional multimeter with Low Z low impedance mode and Digital Connection interface
– Precise voltage, current, resistance, capacitance, frequency, duty factor measurement and contact temperature
– Automatic range changeover and manual range preselection
– Automatic continuity tester
– Diode test function for determining integrity and polarity
– Digital Connection interface for measurement data transfer
– High display resolution of 6000 counts for exact determination of all measured quantities
– Large measurement bandwidth for frequency measurement from 10 Hz to 10 kHz
– Low Z low impedance mode for the reliable prevention of stray or ghost voltages in cables and circuit elements
– Min./Max./AVG/PEAK function with PEAK +/- evaluation
– Thermometer function
– High-resolution analogue bar graph scale with 61 segments for reliable signal analysis
– Connection for K-type temperature sensor
– Compact, impact-resistant enclosure with base support and selector switch
– Large, easy-to-read LC display

MeasureNote App

optional ThermoSensor Air / Tip / Touch / Clamp

Voltage range:	V/DC: 600 mV / 6…60…600 V / 1000 V ± (0,5% / 0,8% / 1,0%) V/AC: 6…60…600 V / 1000 V ± (1,0% / 1,2%) V/DC + V/AC Mode: 6…60…600…1000 V ± 1,5%
Current range:	A/DC: 600 µA…6…60…600 mA / 10 A ± (1,0% / 1,5%) A/AC: 600 µA…6…60…600 mA / 10 A ± (1,0% / 2,0%)
Resistance range:	600 Ω…6…60…600 kΩ…6 MΩ / 60 MΩ ± (1,5% / 2,0%)
Capacitance range:	60 nF / 600 nF…6…60…600 µF / 6000 µF ± (5,0% / 3,0% / 5,0%)
Frequency range:	10…100…1000 Hz…10 kHz / ± 1,0%
Duty factor range:	20%…80% / ± 1,2%
Contact temperature K-type:	-20 … 760°C / ± 1%

Inclusive: MultiMeter XP, 2 test prods, K-type-temperature sensor with adapter, batteries, carrying case

ORDER NO.	EAN-CODE	PU
083.037A	4 021563 699407	2

CAT III 1000V | CAT IV 600 V | AutoSound | DC | K | 4x AAA | HARD

Multimeter and cable detector

ClampMeter XP

MeasureNote App

48 mm

Professional, highly accurate and robust clip-on multimeter with Digital Connection interface
– Precise voltage, current, resistance, capacitance, frequency, duty factor measurement and contact temperature
– AC/DC clip-on ammeter with large clamping width of 48 mm
– Automatic range changeover
– Automatic continuity tester
– Diode test function for determining integrity and polarity
– Digital Connection interface for measurement data transfer
– Very high display resolution of 50000 counts for exact determination of all measured quantities
– Large measurement bandwidth for frequency measurement from 50 Hz to 10 MHz
– Peak/INRUSH with Min./Max. function for determining short-term inrush currents and voltage peaks
– Min./Max. function
– Connection for K-type temperature sensor
– Impact-resistant housing with selector switch
– Large, easy-to-read backlit LC display with bar graph scale with 51 segments for reliable signal analysis

optional
ThermoSensor
Air / Tip / Touch / Clamp

Voltage range:	V/DC: 500 mV…5…50…500 V / 1000 V ± (1,0% / 1,5%) V/AC: 500 mV…5…50…500 V / 1000 V ± (1,0% / 3,0%)
Current range:	A/DC: 500…1000 A / ± 2,5% A/AC (50-60 Hz) 500…1000 A / ± 2,5%
Resistance range:	500 Ω…5…50…500 kΩ / 5 MΩ / 50 MΩ ± (1,0% / 2,0% / 3,0%)
Capacitance range:	500 nF / 5000 nF…50…500 µF…5000 mF ± (3,5% / 5,0%)
Frequency range:	50…500 Hz…5…50…500 kHz…5…10 MHz ± 0,3%
Duty factor range:	5%…95% / ± 1,0%
Contact temperature K-type:	-100°C…1000°C / ± 1%

Inclusive: ClampMeter XP, 2 test prods, K-type-temperature sensor with adapter, batteries, carrying case

ORDER NO.	EAN-CODE	PU
083.043A	4 021563 699377	2

CAT III 1000V CAT IV 600V AutoSound 9V HARD

Cable tracer with transmitter, receiver, test prods, test clamps

■ **Locates electrical cables, fuses, circuit breakers, metal pipes, interrupted cables, short-circuits**
■ **Display of AC / DC voltages**

CableTracer Pro

Universal, flexible cable tracer set including transmitter and receiver
– Non-contact tracing of the transmission signal by the receiver
– Locates electrical cables, fuses, circuit breakers, metal pipes (such as heating pipes) and much more
– Locates interrupted cables in existing installations and short-circuits in existing installation cables
– May be used with or without mains voltage
– High frequency of 125 kHz
– Display of DC and AC voltages
– Signal coding allows as many as 7 senders to be used with one receiver and is thus ideal for complex installation settings
– Integrated AC voltage detector
– Permanent AC voltage warnings
– Integrated illumination of measuring points
– Clearly arranged, illuminated displays
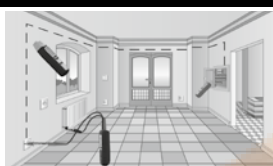
Receiver CableTracer RECV
Measuring range: 0...2 m measuring depth

Inclusive: transmitter CableTracer TX, receiver RECV, connecting cable, test prods, test clamps, batteries, carrying case

ORDER NO.	EAN-CODE	PU
083.070A	4 021563 671212	1

CAT II 300V CAT III 300V 2 x 9V HARD

Electronic scanners

**POSITION
DETECTION**

Stud, metal and power cable locating

MultiFinder Pro

Universal detector for locating wood, metal, copper, iron and live wires
– One-button operation to switch between the different measurement modes
– The user guide on the LC display makes the device easy and reliable to use.
– Auto-Calibration: adjusts the device to different surfaces immediately after switching on.
– Auto-Cal Plus: allows objects to be localized easily in Metal-Scan mode.
– Acoustic and visual detection signals for finding objects.
– High safety is guaranteed by the permanent voltage warning function.
– Special feature: in metal mode, it is even able to detect concealed lines when they are not live.
– Illuminated display

COLOR WARNING   DISPLAY INFO   VOLTAGE WARNING

4 cm   4 cm   5 cm   10 cm
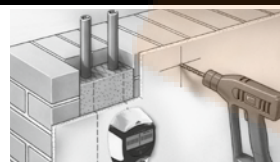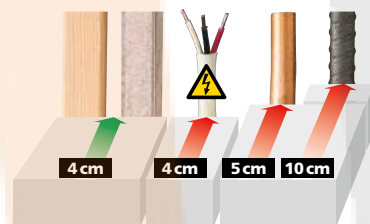
Inclusive: MultiFinder Pro, softbag, battery

ORDER NO.	EAN-CODE	PU
080.966A	4 021563 703630	5

AUTO CALIBRATION   AUTO CAL PLUS   9V   SOFT

MultiScanner Plus
NEW

Electronic locating device for metal objects, live wiring, wall beams and joists – includes depth display in metal mode and centre/edge display when locating beams
– Targeted location of hidden, magnetic or non-manetic metals under stone, concrete, screed, wood, ceramic and mineral building materials
– Device provides information on whether magnetic or non-magnetic metal has been detected
– Precise depth display in metal mode to check drilling depths
– Precise location of live and non-live wiring, such as under plaster or wooden panelling
– Precise location of wall beams and joists in drywall structures, including centre/edge display
– Automatic and manual calibration functions for optimum adjustment to the surface and isolation of measured objects
– Suitable for all non-metallic structures
– Simple and reliable application thanks to user guide on LC display

COLOR WARNING   METAL SCAN   VOLTAGE WARNING

RECHARGE
LI-ION BATTERY PACK

2 cm   5 cm   10 cm   12 cm
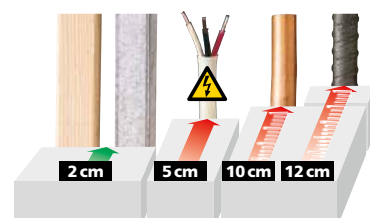
Inclusive: MultiScanner Plus, Li-ion battery pack, USB-C-cable, carrying case

ORDER NO.	EAN-CODE	PU
080.967A	4 021563 719433	5

AUTO CALIBRATION   AUTO CAL PLUS   USB-C   Li-Ion Battery   HARD

Laserliner

Stud, metal and power cable locating

max. 150 cm

POSITION DETECTION

CenterScanner Plus

max. 150 cm

Professional drill guide for accurate positioning of entry and exit points when drilling walls and ceilings
– System consisting of a transmitter and a receiver enables easy drill channel alignment up to a wall thickness of 150 cm
– Clearly visible LED indicators enable precise localization of entry and exit positions and acoustic signals
– Easily accessible marking tools in the transmitter and receiver for centering purposes
– Integrated display can be used to determine the required drilling depth up to 200 cm
– TX transmitter with integrated metal and voltage detection for safer drilling
– Visual and acoustic warning when metal and voltage are detected

Wall thickness display

Inclusive: transmitter CenterScanner Plus TX, receiver RECV, adhesive kit, sliding pads (4x), batteries, carrying case

ORDER NO.	EAN-CODE	PU
075.300A	4 021563 699926	2

AutoSound TX 3x AAA RECV 3x AAA HARD

Electronic measuring tools
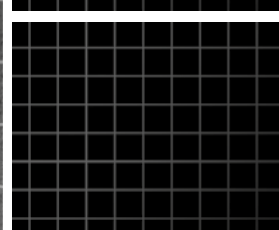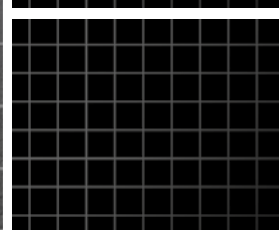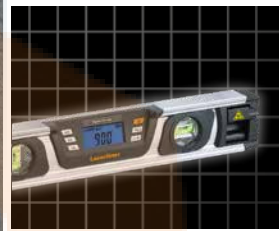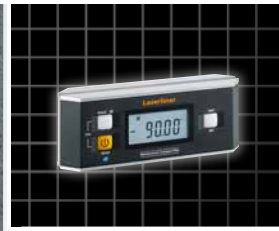
ALIGNMENT MADE EASY

Precision vertical and horizontal alignment or set-up of inclines make structural and interior finishing
work easier during refurbishment and renovation.
The electronic spirit levels feature an illuminated flip display, powerful magnets and much more.
A special feature of the DigiLevel Laser is the fold-out, green wall-line-laser to extend the measurement area!

Overview

	MasterLevel Box Pro / Compact Plus		DigiLevel Compact	DigiLevel-Laser G40 / G80	DigiLevel Pro 40 / 60 / 80 / 100 /120	ArcoMaster 40 / 60
Accuracy of electronic measurements	± 0.05° at 0°…1° ± 0.05° at 89°…90° ± 0.1° at 1°…89°°		± 0,05° at 0°…1° ± 0,05° at 89°…90° ± 0,1° at 1°…89°	± 0.1° at 0°…1° ± 0.1° at 89°…90° ± 0.2° at 1°…89°	± 0.05° at 0°…1° ± 0.1° at 89°…90° ± 0.2° at 1°…89°	± 0,2°
Length / cm	6	15	23	40 / 80	40 / 60 / 80 / 100 / 120	40 / 60
Angle display	360° (4 x 90°)		360° (4 x 90°)	360° (4 x 90°)	360° (4 x 90°)	0°…220°
Calibration function	●		●	●	●	
Reference mode	●		●	●	●	
Flip-display	●		●	●	●	●
Laser				line	point	
Hold function	●		●	●	●	●
AutoSound		●	●	●	●	

● = available

DIGITAL CONNECTION

Gratis – MeasureNote app

Multifunctional app for Laserliner measuring technology for a fast data transfer

Measurement and documentation app for smartphones and tablets

- Store measured data in one place with map
- Insert markers in photos
- Send object photos with measured values by email, WhatsApp etc
- The last known location of the unit is stored
- Automatic voice output of measured values
- Direct link to operating instructions
- Calculator
- Note down important details
- Enables remote triggering of measurement
- Languages: DE, EN, NL, DA, FR, ES, IT, PL, FI, SV, NO, JA

HIGH VISIBILITY

Digital slope indicators and digital spirit levels

MasterLevel Box Pro

Practical, digital slope indicators with Digital Connection interface
– Angles can be transferred in reference mode.
– The flip-display feature changes the display automatically when making overhead measurements.
– Digital Connection interface for measurement data transfer
– Calibration function to recalibrate the sensor and increase the measuring accuracy
– Powerful adhesion magnets
– Hold function
– Compact in mini format

6 cm

MeasureNote App

Angle display:	360° (4 x 90°)
Accuracy of electronic measurements:	± 0.05° at 0°…1°
	± 0.05° at 89°…90°
	± 0.1° at 1°…89°

Inclusive: MasterLevel Box Pro, softbag, battery

ORDER NO.	EAN-CODE	PU
	4 021563 700233	2

magnetic · 1 x AAA · SOFT

MasterLevel Compact Plus

Digital slope indicators in compact format with Digital Connection interface
– An acoustic signal is sounded at 0° and 90° as an aid to ease the alignment of objects.
– Angles can be transferred in reference mode.
– The flip-display feature changes the display automatically when making overhead measurements
– Digital Connection interface for measurement data transfer
– Calibration function to recalibrate the sensor and increase the measuring accuracy
– V-groove, for holding on pipes
– Powerful adhesion magnets
– Hold function

15 cm

MeasureNote App

Angle display:	360° (4 x 90°)
Accuracy of electronic measurements:	± 0.05° at 0°…1°
	± 0.05° at 89°…90°
	± 0.1° at 1°…89°
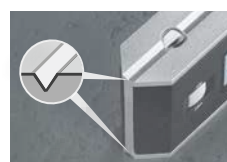
Inclusive: MasterLevel Compact Plus, batteries, carrying case

ORDER NO.	EAN-CODE	PU
081.265A	4 021563 702626	2

magnetic · AutoSound · 2x AAA · HARD

DigiLevel Compact

Digital electronic spirit levels with Digital Connection interface
– Compact design, fits in any toolbox
– An acoustic signal is sounded at 0°, 45°, 90°, 135° and 180° as an aid to ease the alignment of objects.
– Slope storage for exact transfer of angles
– The flip-display feature changes the display automatically when making overhead measurements
– Digital Connection interface for measurement data transfer
– Calibration function to recalibrate the sensor and increase the measuring accuracy
– Powerful adhesion magnets on the underside, milled measuring surface
– Effective protection from shocks due to rubber end caps
– Hold function

23 cm

MeasureNote App

Angle display:	360° (4 x 90°)
Accuracy of electronic measurements:	± 0.05° at 0°…1°
	± 0.05° at 89°…90°
	± 0.1° at 1°…89°
Vial precision:	± 0.5 mm / m

FLIP DISPLAY

Inclusive: DigiLevel Compact, softbag, batteries

ORDER NO.	EAN-CODE	PU
081.280A	4 021563 716210	2

magnetic · AutoSound · IP 67 · 2x AAA · SOFT

Digital spirit levels and digital gauge

90° 45° 135° 0° 180°

DigiLevel Laser

6x *
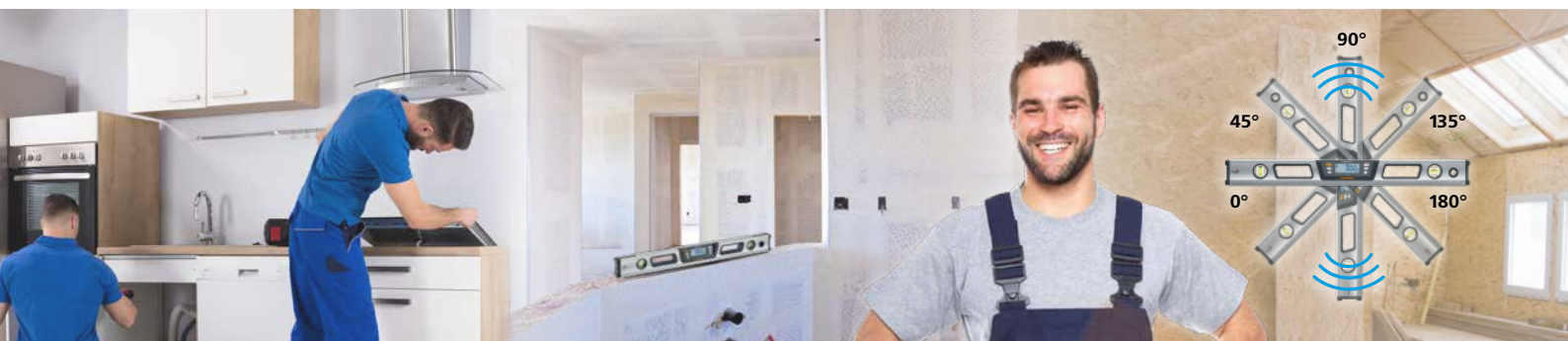
Digital electronic spirit level with green laser technology
– DLD technology creates an extremely bright, green laser line.
– An acoustic signal is sounded at 0°, 45°, 90°, 135° and 180° as an aid to ease the alignment of objects.
– Angles can be transferred in reference mode.
– The flip-display feature changes the display automatically when making overhead measurements
– Calibration function to recalibrate the sensor and increase the measuring accuracy
– Powerful adhesion magnets on the underside, milled measuring surface, additional vertical and horizontal vial
– Hold function

Angle display:	360° (4 x 90°)
Accuracy of electronic measurements:	± 0.1° at 0°…1°
	± 0.1° at 89°…90°
	± 0.2° at 1°…89°
Vial precision:	± 0.5 mm / m

FLIP DISPLAY

Inclusive: DigiLevel Laser, softbag, batteries

ORDER NO.		EAN-CODE	PU
G40 cm	081.255A	4 021563 704064	5
G80 cm	081.257A	4 021563 704088	5

DigiLevel-Laser G40 / G80
Length 40 / 80 cm

* Approx. 6 times brighter than a typical red 630 - 660 nm laser

Laser 515 nm | 2 | 180° | magnetic | AutoSound | 2x AAA | SOFT

DigiLevel Pro

MeasureNote App

Digital electronic spirit levels with Digital Connection interface
– With spot laser as an optical extension for point-precise assessment of height and angle
– An acoustic signal is sounded at 0°, 45°, 90°, 135° and 180° as an aid to ease the alignment of objects.
– Angles can be transferred in reference mode.
– The flip-display feature changes the display automatically when making overhead measurements
– Digital Connection interface for measurement data transfer
– Calibration function to recalibrate the sensor and increase the measuring accuracy
– Powerful adhesion magnets on the underside, milled measuring surface, additional vertical and horizontal vial
– Hold function

Angle display:	360° (4 x 90°)
Accuracy of electronic measurements:	± 0.05° at 0°…1°
	± 0.05° at 89°…90°
	± 0.1° at 1°…89°
Vial precision:	± 0.5 mm / m
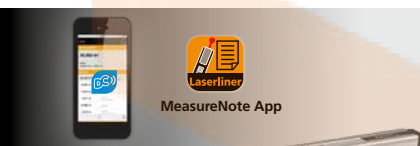
FLIP DISPLAY

DigiLevel Pro 40 / 60 / 80 / 100 /120
Length 40 / 60 / 80 / 100 / 120 cm

Inclusive: DigiLevel Pro, softbag, batteries

ORDER NO.		EAN-CODE	PU
40 cm	081.270A	4 021563 706471	2
60 cm	081.271A	4 021563 706488	2
80 cm	081.272A	4 021563 706495	2
100 cm	081.274A	4 021563 712960	2
120 cm	081.275A	4 021563 712977	2

Laser 635 nm | 2 | DC | 180° | magnetic | AutoSound | IP 54 | 2x AAA | SOFT

Digital spirit levels and digital gauge

ArcoMaster

Angle display:	0°…220°
Accuracy of electronic measurements:	± 0.2°
Vial precision:	± 0.25 mm / m

FLIP DISPLAY

Digital electronic angle measuring devices with angle display
– Pull-out bevel
– Additional vertical and horizontal vial
– An illuminated LCD display on each side (front and rear)
– Hold function
– Automatic calculation of angle bisection

– **ArcoMaster 40 / 60**
  Arm length 40 / 60 cm

Inclusive: ArcoMaster, softbag, batteries

ORDER NO.		EAN-CODE	PU
40 cm	075.130A	4 021563 664016	2
60 cm	075.131A	4 021563 666683	2

180° | 2 x AA | SOFT
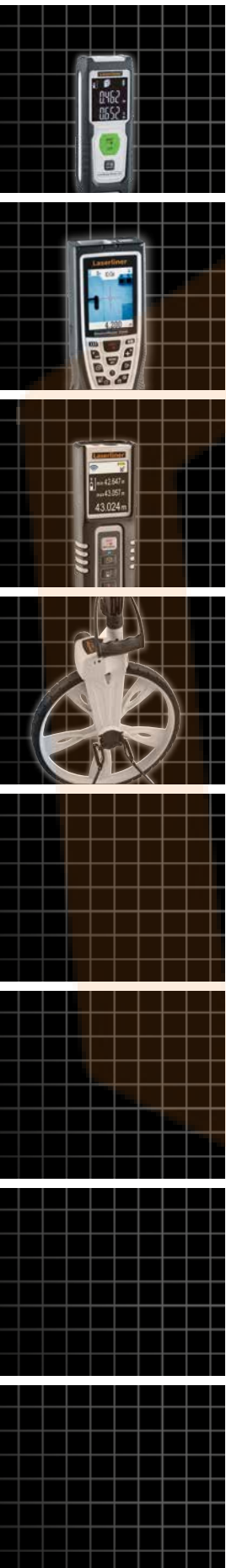
Distance meters

Laser distance measurement

PRECISE MEASUREMENT

Overview

	LRM Gi3	LRM Gi5	LRM Gi7 Pro	DM Vision	DM LiveCam	DM Compact Pro
Measuring system	Green Laser	Green Laser	Green Laser	Laser	Laser	Laser
Measuring range / m	0,3 – 30*	0,05 – 50*	0,05 – 70*	0,05 – 80*	0,2 – 150*	0,1 – 50*
Accuracy / mm	± 2 (typical)*	± 2 (typical)*	± 2 (typical)*	± 2 (typical)*	± 1,5 (typical)*	± 2 (typical)*
Distance, area, volume calculation	●	●	●	●	●	●
Min./Max. continuous measurement	●	●	●	●	●	●
Addition / subtraction			●	●	●	
Pythagoras / trapezoid				1 + 2 + 3	1 + 2 + 3 / 1 + 2	
Memory / quantity		50	50	50	50	10
Stake out / timer function				●	●	
Wall surface function				●		
Point-to-point					●	
Angle function		1 + 2 + 3**	1 + 2 + 3**	1**	1 + 2**	1 + 2 + 3 **
Digital bubble level		●	●	●	●	
Camera				●	●	
Measuring positions corner / behind / tripod / front	– / ● / – / ●	– / ● / – / ●	– / ● / – / ●	● / ● / ● / ●	– / ● / ● / ●	– / ● / – / ●
Reflection surfaces					●	●
360° inclination sensor		●	●	●	●	●
Laser class	2	2	2	2	2	2

● = available　　*　 See operating instructions for specific measuring ranges and accuracies
　　　　　　　　** In combination with 360° inclination sensor

LRM = LaserRange-Master
DM = DistanceMaster

DC DIGITAL CONNECTION

**Gratis –
MeasureNote app**
**Multifunctional app for Laserliner
measuring technology
for a fast data transfer**

**Measurement and documentation app
for smartphones and tablets**

- Store measured data in one place with map
- Insert markers in photos
- Send object photos with measured values by email, WhatsApp etc
- The last known location of the unit is stored
- Automatic voice output of measured values
- Direct link to operating instructions
- Calculator
- Note down important details
- Enables remote triggering of measurement
- Languages: DE, EN, NL, DA, FR, ES, IT, PL, FI, SV, NO, JA

HIGH VISIBILITY

Laser distance measurement

x
y
$x \cdot y = m^2$

HIGH VISIBILITY
Brighter. Clearer. More visible.

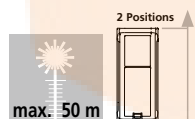## LaserRange-Master Gi3

***6x

Laser distance meter with green laser technology
– Measuring range, internal 0.3 to 30 m*
– Measuring precision of ± 2 mm (typical)*
– DLD technology creates an extremely bright, green laser point.
– The area and volume functions permit the acquisition of room sizes, for example to calculate material quantities
– Min./max. continuous measurement
– Illuminated 2-line VTN display
– Sturdy, ergonomically designed housing

* See operating instructions for specific measuring ranges and accuracies
*** Approx. 6 times brighter than a typical red 630 - 660 nm laser
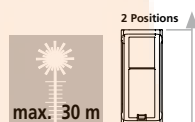
Inclusive: LaserRange-Master Gi3, softbag, batteries

ORDER NO.	EAN-CODE	PU
080.836A	4 021563 707249	5

2 Positions

max. 30 m

Laser 515 nm	2	SPEED SHUTTER	2 x AAA	SOFT

LaserRange-Master Gi5

***6x

Laser distance meter with green laser technology and angle function
– Measuring range, internal 0.05 to 50 m*
– Measuring precision of ± 2 mm (typical)*
– DLD technology creates an extremely bright, green laser point.
– The area and volume functions permit the acquisition of room sizes, for example to calculate material quantities
– Angle function 1 + 2 +3**, min./max. continuous measurement
– Digital bubble level is used to align the measuring device
– Tilt sensor calibration
– 360° inclination sensor for determining the horizontal and vertical distance
– Illuminated 4-line colour LC display

* See operating instructions for specific measuring ranges and accuracies
** In combination with 360° inclination sensor
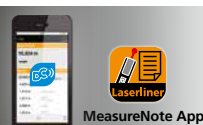*** Approx. 6 times brighter than a typical red 630 - 660 nm laser

Digital bubble level

Inclusive: LaserRange-Master Gi5, softbag, batteries

ORDER NO.	EAN-CODE	PU
080.838A	4 021563 703722	5

2 Positions

max. 50 m

| Laser 515 nm	2	SPEED SHUTTER	2 x AA	SOFT

LaserRange-Master Gi7 Pro

Laser distance meter with green laser technology, Digital Connection interface and angle function
– Product description same as LaserRange-Master Gi5
– Measuring range, internal 0.05 to 70 m*
– Simple assessment of room perimeter with the addition and subtraction functions
– Digital Connection interface for measurement data transfer

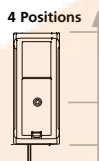* See operating instructions for specific measuring ranges and accuracies

MeasureNote App

RANGE MAX. 70 M
ADDITION / SUBTRACTION
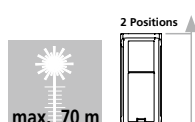
Inclusive: LaserRange-Master Gi7 Pro, softbag, batteries

ORDER NO.	EAN-CODE	PU
080.837A	4 021563 706426	5

2 Positions

max. 70 m

Laser 515 nm	2	SPEED SHUTTER		2 x AA	SOFT

Laser distance measurement

DistanceMaster Vision

4 Positions

max. **80 m**

Laser distance meter with camera function
– Measuring range 0.05 to 80 m*
– Measuring precision of ± 2 mm (typical)*
– The area and volume functions permit the
  acquisition of room sizes, for example to
  calculate material quantities
– Simple assessment of room perimeter with
  the addition and subtraction functions
– Pythagoras 1 + 2 + 3, angle function 1**,
  Min./Max. continuous measurement
– The wall surface function automatically adds
  up surfaces by measuring the lengths of walls
  as well as their height once.
– Stake out function for marking off defined lengths
– Camera with digital zoom
– Digital bubble level is used to align
  the measuring device
– Timer function to automatically trigger
– 360° inclination sensor for determining the
  horizontal and vertical distance
– Micro USB port for charging batteries
– 1/4" threaded connection
– Illuminated colour LC display
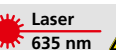– Sturdy, ergonomically designed housing

*   See operating instructions for specific measuring ranges and accuracies
** In combination with 360° inclination sensor

RECHARGE
LI-ION BATTERY PACK

Inclusive: DistanceMaster Vision, USB charging cable,
rechargeable batteries, carrying case

ORDER NO.	EAN-CODE	PU
080.980A	4 021563 703661	2

Laser 635 nm	2	1/4"	NiMH Battery		HARD

DistanceMaster LiveCam

MeasureNote App

3 Positions

max. **150 m**
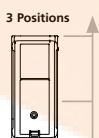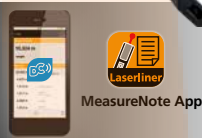
**Multi-functional laser distance measuring device
with HD camera spotter and Digital Connection**
– HD camera accurately targets the measurement point
– Perfect for use outdoors and in bright environments
– Measuring range 0.2 to 150 m*
– High measuring precision of ± 1.5 mm (typical)*
– The area and volume functions permit the
  acquisition of room sizes, for example to
  calculate material quantities
– Features distance, surface and volume calculation,
  Pythagoras 1 + 2, angle function 1 + 2 + 3**,
  trapezoid 1 + 2, Min./Max. continuous measurement
  and plus/minus function
– Precise determination of circular areas / volumes and
  triangular and trapezoidal areas
– Point-to-point measurements
– With versatile calculation and memory functions
– Stake out function for marking off defined lengths
– Timer function to automatically trigger
– Digital Connection interface for measurement
  data transfer
– USB-C port for charging batteries
– 1/4" threaded connection
– Easy-to-read colour display with screen rotation
– Perfect for use outdoors and in bright environments

*   See operating instructions for specific measuring ranges and accuracies
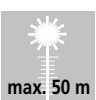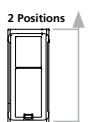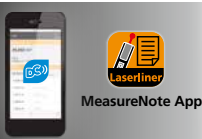** In combination with 360° inclination sensor

RECHARGE
LI-ION BATTERY PACK

**VERTICAL +
HORIZONTAL**

Inclusive: DistanceMaster LiveCam, USB charging cable,
softbag, rechargeable batteries, carrying case

ORDER NO.	EAN-CODE	PU
080.985A	4 021563 716289	2

Laser 635 nm	2	3" HD		IP65	1/4"	NiMH Battery		HARD

DistanceMaster Compact Pro

MeasureNote App

2 Positions

max. **50 m**

**Laser distance meter with Digital Connection
interface and angle function**
– Measuring range, internal 0.1 to 50 m*
– Measuring precision of ± 2 mm (typical)*
– The area and volume functions permit the
  acquisition of room sizes, for example to
  calculate material quantities
– Angle function 1 + 2 +3**,
  Min./Max. continuous measurement
– Digital Connection interface for measurement
  data transfer
– 360° inclination sensor for determining the
  horizontal and vertical distance
– With storage options
– Illuminated 3-line colour LC display
– Sturdy, ergonomically designed housing

*   See operating instructions for specific measuring ranges and accuracies
** In combination with 360° inclination sensor

Inclusive: DistanceMaster Compact Pro, softbag, batteries

ORDER NO.	EAN-CODE	PU
080.937A	4 021563 692903	2

Laser 650 nm	2	SPEED SHUTTER		2x AAA	SOFT

Laser distance measurement and distance measuring wheels

Portable hand shows exact position

1x = 1 m

RollPilot S6

Measuring wheel for use on straight lines and curves
– Mechanical measuring wheel: Distances up to 9,999.9 m
– Large, easy to read display with additional fine scale (1 - 9 cm) for precise measurement.
– Addition when wheels are turning forwards and subtraction when backwards
– Wall-to-wall function: The compact design enables direct measurement from wall to wall.
– Brake and zero setting directly on handle
– Non-wearing cardanic scale drive
– Accuracy ± 0.1%
– Metering wheel with 0.5 m circumference

Inclusive: RollPilot S6, softbag

ORDER NO.	EAN-CODE	PU
075.008A	4 021563 692521	2

SOFT

RollPilot X12

NEW

Measuring wheel for use on straight lines and curves
– Mechanical measuring wheel: Distances up to 9,999.9 m
– Large digits make the display exceptionally easy to read
– Addition when wheels are turning forwards and subtraction when backwards
– Hold function for locking the current measured value on the display
– Brake and zero setting directly on handle
– Folding design for easy transport
– Robust, rubberised grip
– Accuracy ± 0,1%
– Metering wheel with 1 m circumference

Inclusive: RollPilot X12, softbag

ORDER NO.	EAN-CODE	PU
075.009A	4 021563 719198	2

SOFT

RollPilot D12

Electronic measuring wheel for use on straight lines and curves
– Electronic measuring wheel delivers measured values accurate to the centimetre when measuring distances of up to 9,999.99 m.
– Easy-to-read, illuminated LC display directly on the handle.
– Addition when wheels are turning forwards and subtraction when backwards
– Hold function for holding the measured value
– Measured value memory for 5 entries
– The moving pointer shows the exact start and end positions.
– Folding design and softbag for easy transport
– Accuracy ± 0.1%
– Metering wheel with 1 m circumference

Inclusive: RollPilot D12, softbag, battery

ORDER NO.	EAN-CODE	PU
075.006A	4 021563 680818	1

9 V

SOFT

Crossline- and line lasers

INTERIOR FINISHING AND BUILDING

The ideal laser measuring device for interior and dry finish work. Simple handling – these devices align themselves automatically. Bright laser lines make them ideally suited for laying tiles, wall studding, window installation and much more. The line lasers with laser receiver can even be used outdoors. The best visibility is offered by green line lasers.

PowerBright LASER   PowerGreen LASER

High-performance class laser diodes produce extremely bright laser lines. They remain visible even on surfaces at great distances or on dark surfaces as well as under bright ambient light conditions. By green quality diodes the visibility is further enhanced.

360° LASER   360° LASER

The laser beam is aimed exactly at the tip of a precisely sharpened cone and is deflected from the reflective surface in a circular manner. This creates a highly accurate continuous, circumferential 360° laser line.

Laser 515 nm

Green looks 6 times brighter than red. This makes possible applications on dark surfaces, over long distances and working even in very bright ambient light conditions. A red laser with a wavelength of 635 nm is used as reference for the difference in brightness.

HIGH POWER

Extremely bright green laser technology achieves high-quality lines: precise, clear and therefore easily visible.

IP 64   IP 54

The measuring instruments are characterised special protection against dust and rain.

2

Laser class

Li-Ion Battery

Long battery operating time thanks to powerful lithium-ion rechargeable battery

lock   lock

Transport LOCK: Units with "Automatic Level" are protected with a pendelum lock during transport. A special motor lock protects units with "Sensor Automatic".

AUTOMATIC LEVEL   AUTOMATIC LEVEL

Automatic alignment of the device with a magnetically dampened pendulum system. The devices are set to their initial position and align themselves automatically in a matter of seconds.

USB-C

Perfectly compatible: USB-C charging standard

Powerful technology

Laser receiver – ideal for outdoor applications

SUNLIGHT OPTION

RX READY   GRX READY

Line laser with RX-/GRX-Ready technology

RX- and GRX-READY technology enables line lasers to be used even in unfavourable light conditions.

The laser lines pulsate at a high frequency and this can be picked up by special laser receiversover long distances.

Overview

	CROSS LINE LASERS		3D LASERS				
	PocketCross-Laser 2G	MasterCross-Laser 2GP	PocketPlane-Laser 3G	CompactPlane-Laser 3G	MasterPlane-Laser 3G Plus	SuperPlane-Laser 3D Pro	SuperPlane-Laser 3G Pro
System	1HG / 1VG	1H / 1V	1HG360° / 2VG360°	1HG360° / 2VG360°	1HG360° / 2VG360°	1H360° / 2V360°	1HG360° / 2VG360°
Brightness Visibility at 300 Lux	PowerGreen ⊞ 55 m	PowerGreen ⊞ 55 m	PowerGreen 30 m	PowerGreen 30 m	PowerGreen ⊞ 55 m	PowerBright ⊞⊞ 25 m	PowerGreen ⊞⊞ 60 m
Accuracy mm / m	0,3	0,2	0,3	0,35	0,2	0,2	0,2
Number of laser lines	2	2 + 1	3	3	3	3	3
Laser spread	120°	120°	360°	360°	360°	360°	360°
Number of laser points		2					
Plumb laser		–	●	●	●	●	●
Levelling range	3,5°	3°	3,5°	3°	3,5°	2,5°	2,5°
Levelling principle	Automatic-Level	Automatic-Level	Automatic-Level	Automatic-Level	Automatic-Level	Automatic-Level	Automatic-Level
Receiver mode	●	●	●	●	●	●	●
USB-C	●		●	●	●		
Li-ion battery	Integrated battery		Integrated battery	Battery pack	Battery pack	Battery pack	Battery pack
Battery status	●		●	●	●		
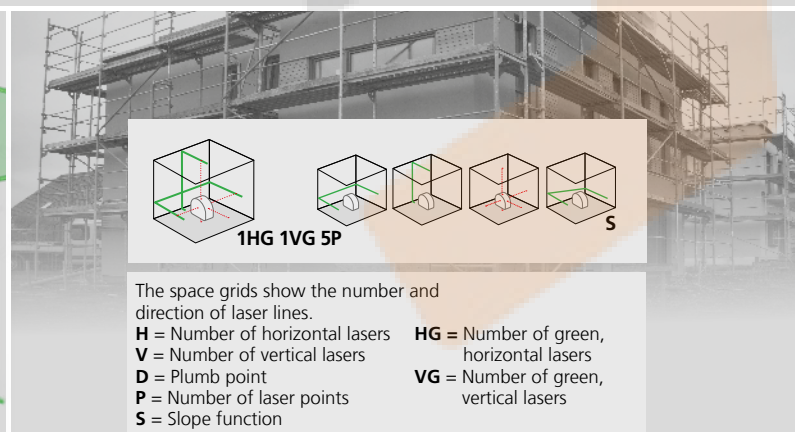
● = available

Gratis Commander app for remote operation of Laserliner measuring technology

■ Remote control of the measuring device at inaccessible locations
■ Individual choice of laser
■ Set laser brightness
■ Device protection against vibration (TILT mode)
■ Standby and hand-held receiver mode on/off switch

1HG 1VG 5P   **S**

The space grids show the number and direction of laser lines.
H = Number of horizontal lasers   **HG** = Number of green, horizontal lasers
V = Number of vertical lasers   **VG** = Number of green, vertical lasers
D = Plumb point
P = Number of laser points
S = Slope function

Laserliner instruments are available in sturdy carrying bags or hard-shell cases.

L-BOXX
mobile carrying case system for safely transporting measuring instruments and accessories flexible, practical and compatible with the Sortimo® vehicle equipment system
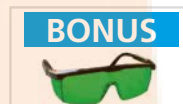
HARD: plastic carry case

HIGH VISIBILITY

Cross line lasers

BATTERY STATUS

1HG 1VG

PocketCross-Laser 2G

6x *

NEW

BONUS

Green cross-line laser with ultra bright, green laser cross
– Extremely bright green laser cross at the front achieves high-quality lines: precise, clear and therefore easily visible.
– 3.5° self-levelling range, accuracy 0.3 mm / m
– Additional slope function for aligning inclines
– Height-adjustable, magnetic, multi-function bracket
– Easy-to-read battery charge status
– Power pack connection for continuous operation
– Out-Of-Level: is indicated by optical signals when the unit is outside its self-levelling range.
– Individually switchable laser
– GRX-Ready: in combination with the optional laser receiver, the integrated hand-held receiver mode permits detection of laser lines at long distances and under unfavourable light conditions.
– Green laser technology with 0°C...50°C temperature range

* Approx. 6 times brighter than a typical red 630 - 660 nm laser

S
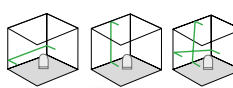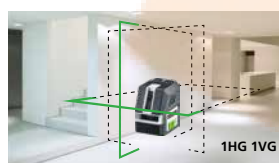
WORK AND CHARGE   USB-C

Inclusive: PocketCross-Laser 2G, PocketWallHolder, magnetic target plate green, laser enhancement glasses, Li-ion battery pack, power supply/battery charger incl. international adapter, carrying case

ORDER NO.	EAN-CODE	PU
036.710A	4 021563 725212	2

SUNLIGHT OPTION

PocketCross-Laser 2G set 150 cm
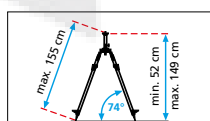
6x *

NEW

Green cross-line laser with ultra bright, green laser cross and wide range of accessories , including compact 150 cm tripod
– Product description same as PocketCross-Laser 2G

Compact tripod 150 cm
– Aluminium crank tripod

max. 155 cm
min. 52 cm
max. 149 cm
74°

COMPLETE IN A SET CASE

Inclusive: PocketCross-Laser 2G, PocketWallHolder, compact tripod 150 cm, magnetic target plate green, laser enhancement glasses, Li-ion battery pack, power supply/battery charger incl. international adapter, carrying case

ORDER NO.	EAN-CODE	PU
036.713A	4 021563 726035	2

SUNLIGHT OPTION

| Laser 515 nm | 2 | PowerGreen LASER | AUTOMATIC LEVEL | lock | GRX READY | 1/4" | 5/8" | IP 54 | Li-Ion Battery | HARD |

MasterCross-Laser 2GP

6x *

Green cross-line laser with ultra bright diode technology and plumb function
– Product description same as MasterCross-Laser 2
– Ideal for mounting on drywall construction profiles
– Additional plumb laser up and downs
– Extremely bright green laser cross at the front achieves high-quality lines: precise, clear and therefore easily visible.
– GRX-Ready: in combination with the optional laser receiver, the integrated hand-held receiver mode permits detection of laser lines at long distances and under unfavourable light conditions.
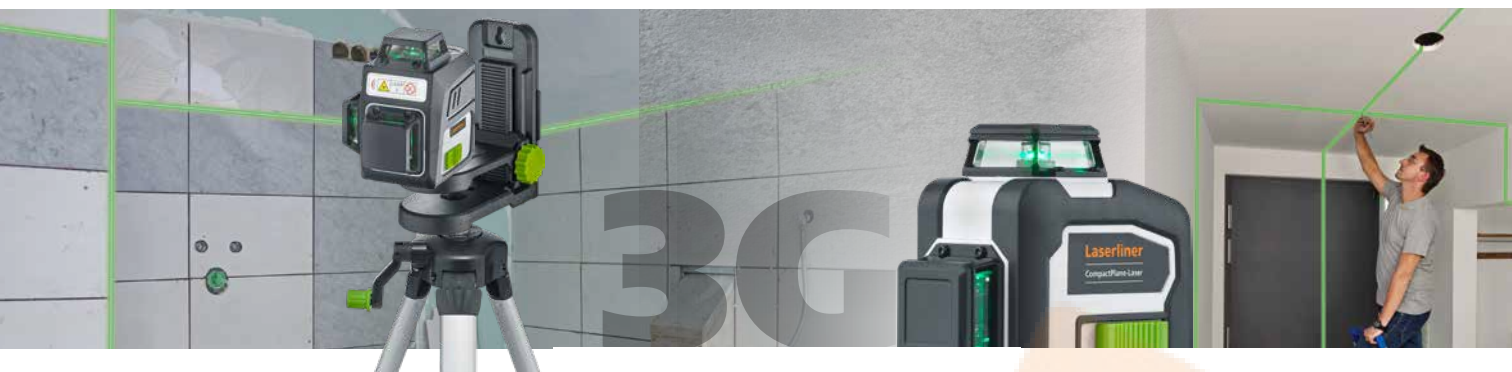– Green laser technology with 0°C...50°C temperature range

* Approx. 6 times brighter than a typical red 630 - 660 nm laser

1HG 1VG 2P

S

SUNLIGHT OPTION
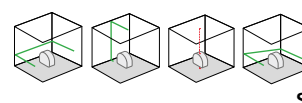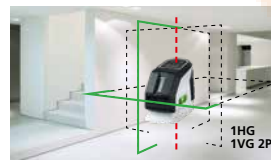
Inclusive: MasterCross-Laser 2GP, CrossGrip, batteries, carrying case

ORDER NO.	EAN-CODE	PU
031.390A	4 021563 711017	1

| Laser 515 nm | 2 | PowerGreen LASER | AUTOMATIC LEVEL | lock | GRX READY | Laser 635 nm | magnetic | 1/4" | 5/8" | IP 54 | 4x AA | HARD |

HIGH VISIBILITY

3D-Lasers

PocketPlane-Laser 3G

6x *

NEW

BONUS

Three-dimensional, practical laser with one horizontal and two vertical green 360°-laser circles
– PowerGreen-Laser with 3 bright 360° laser circles
– Straight forward plumb function using laser crosses
– 3.5° self-levelling range, accuracy 0.3 mm / m
– Individually switchable laser
– Additional slope function for aligning inclines
– Height-adjustable, magnetic, multi-function bracket
– Easy-to-read battery charge status
– Power pack connection for continuous operation
– Out-Of-Level: is indicated by optical signals when the unit is outside its self-levelling range.
– GRX-Ready: in combination with the optional laser receiver, the integrated hand-held receiver mode permits detection of laser lines at long distances and under unfavourable light conditions.
– Green laser technology with 0°C...50°C temperature range

* Approx. 6 times brighter than a typical red 630 - 660 nm laser

1HG360° 2VG360°　S

WORK AND CHARGE　USB-C

Inclusive: PocketPlane-Laser 3G, PocketWallHolder, magnetic target plate green, laser enhancement glasses, Li-ion battery pack, power supply/battery charger incl. international adapter, carrying case

ORDER NO.	EAN-CODE	PU
036.700A	4 021563 724574	2

OPTION

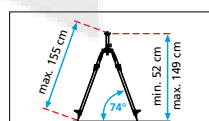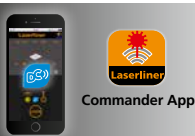## PocketPlane-Laser 3G set 150 cm

6x *

NEW

Three-dimensional, practical laser with one horizontal and two vertical green 360°-laser circles, and wide range of accessories , including compact 150 cm tripod
– Product description same as PocketPlane-Laser 3G

Compact tripod 150 cm
– Aluminium crank tripod

max. 155 cm　min. 52 cm　max. 149 cm　74°

COMPLETE IN A SET CASE

Inclusive: PocketPlane-Laser 3G, PocketWallHolder, compact tripod 150 cm, magnetic target plate green, laser enhancement glasses, Li-ion battery pack, power supply/battery charger incl. international adapter, carrying case

ORDER NO.	EAN-CODE	PU
036.703A	4 021563 725496	2

OPTION

| Laser 515 nm | 2 | PowerGreen LASER | AUTOMATIC LEVEL | lock | 360° LASER | GRX READY | 1/4" | 5/8" | IP 54 | Li-Ion Battery | HARD |

CompactPlane-Laser 3G Pro

6x *

NEW

Commander App

«Tilt» STOP

Three-dimensional, practical laser with one horizontal and two vertical green 360°-laser circles with Digital Connection interface
– PowerGreen-Laser with 3 bright 360° laser circles
– Straight forward plumb function using laser crosses
– 3° self-levelling range, accuracy 0.35 mm / m
– Individually switchable laser
– Additional slope function for aligning inclines
– Long-lasting, powerful rechargeable lithium-ion battery
– Rechargeable via USB-C cable
– Digital Connection interface for remote control
– GRX-Ready: in combination with the optional laser receiver, the integrated hand-held receiver mode permits detection of laser lines at long distances and under unfavourable light conditions.
– Green laser technology with 0°C...50°C temperature range

* Approx. 6 times brighter than a typical red 630 - 660 nm laser

1HG360° 2VG360°　S

HIGH CAPACITY PACK　USB-C

Inclusive: CompactPlane-Laser 3G, HighCapacityPack (Li-ion), power supply/battery charger incl. international adapter, USB-C-cable, carrying case

ORDER NO.	EAN-CODE	PU
036.295A	4 021563 716647	1

OPTION

| Laser 515 nm | 2 | PowerGreen LASER | AUTOMATIC LEVEL | lock | 360° LASER | GRX READY | | 1/4" | 5/8" | Li-Ion Battery | HARD |

HIGH VISIBILITY

3D-Lasers

MICROCONTROL

vertical

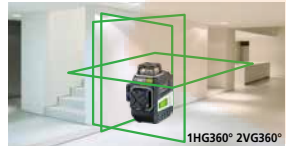CROSS GRIP PLUS

MasterPlane-Laser 3G Plus

6x

NEW

Three-dimensional laser with one horizontal and two vertical green 360° laser circles
– PowerGreen-Laser with 3 bright 360° laser circles
– Straight forward plumb function using laser crosses
– 3.5° self-levelling range, accuracy 0.2 mm / m
– Individually switchable laser
– Additional slope function for aligning inclines
– With the magnetic clamp and wall bracket CrossGrip Plus, the unit can be used individually, in combination horizontally and vertically. With adjustable clamping range and MicroControl: lateral fine drive for precise vertical adjustment of the laser lines.
– Out-Of-Level: is indicated by optical signals when the unit is outside its self-levelling range.
– Long-lasting, powerful rechargeable lithium-ion battery
– Rechargeable via USB-C cable
– Digital Connection interface for remote control
– GRX-Ready: in combination with the optional laser receiver, the integrated hand-held receiver mode permits detection of laser lines at long distances and under unfavourable light conditions.
– Green laser technology with 0°C...50°C temperature range

* Approx. 6 times brighter than a typical red 630 - 660 nm laser

1HG360° 2VG360°   S

HIGH CAPACITY PACK   USB-C

Inclusive: MasterPlane-Laser 3G Plus, CrossGrip Plus, HighCapacityPack (Li-ion), USB-C-cable, carrying case

ORDER NO.	EAN-CODE	PU
031.400A	4 021563 727179	1

OPTION

| Laser 515 nm | 2 | PowerGreen LASER | ADS .Tilt | AUTOMATIC LEVEL | lock | 360° LASER | GRX READY | magnetic | 1/4" | 5/8" | IP 64 | Li-Ion Battery | RECHARGE | HARD |

SuperPlane-Laser 3D Pro

Three-dimensional laser with a horizontal and two vertical 360° laser circles
– PowerBright-Laser with 3 bright 360° laser circles
– Straight forward plumb function using laser crosses
– Optimised for work close to the ceiling
– 2.5° self-levelling range, accuracy 0,2 mm / m
– Individually switchable laser
– Additional slope function for aligning inclines
– With the magnetic clamp and wall bracket CrossGrip the device can be used as a stand-alone unit, in a combination as well as in horizontal and vertical position. With adjustable clamping range.
– Out-Of-Level: is indicated by optical signals when the unit is outside its self-levelling range.
– Long-lasting, powerful rechargeable lithium-ion battery
– RX-Ready: The laser receiver RX 40, which is available as an optional extra, can detect laser lines in a range of up to 40 m – ideal for outdoor applications.

1H360° 2V360°   S

OPTION

Inclusive: SuperPlane-Laser 3D Pro, CrossGrip, Li-ion battery pack with external charging station, power supply/battery charger incl. international adapter, complete in the L-BOXX 136

ORDER NO.	EAN-CODE	PU
036.600L	4 021563 700486	1

| Laser 650 nm | 2 | PowerBright LASER | 360° LASER | AUTOMATIC LEVEL | lock | RX READY | magnetic | 1/4" | 5/8" | IP 54 | Li-Ion Battery | RECHARGE | L-BOXX |

SuperPlane-Laser 3G Pro

6x

Green three-dimensional laser with a horizontal and two vertical 360° laser circles
– Product description same as SuperPlane-Laser 3D Pro
– Horizontal and vertical 360° laser lines with green laser technology achieve high quality lines: precise, clear and therefore easily visible.
– GRX-Ready: in combination with the optional laser receiver, the integrated hand-held receiver mode permits detection of laser lines at long distances and under unfavourable light conditions.
– Green laser technology with 0°C...50°C temperature range

* Approx. 6 times brighter than a typical red 630 - 660 nm laser

1HG360° 2VG360°   S

Inclusive: SuperPlane-Laser 3G Pro, CrossGrip, Li-ion battery pack with external charging station, power supply/battery charger incl. international adapter, complete in the L-BOXX 136

OPTION

ORDER NO.	EAN-CODE	PU
036.650L	4 021563 700493	1

| Laser 515 nm | 2 | PowerGreen LASER | AUTOMATIC LEVEL | lock | 360° LASER | GRX READY | magnetic | 1/4" | 5/8" | IP 54 | Li-Ion Battery | RECHARGE | L-BOXX |

X-RANGE

X1-Laser	X2-Laser	X3-Laser Pro	
1HG360° / 1VG	1HG360° / 2VG / 1D	1HG360° / 2VG360°	**System**
PowerGreen ➕➕ 60 m	PowerGreen ➕➕ 60 m	PowerGreen ➕➕ 60 m	**Brightness Visibility at 300 Lux**
0,2	0,2	0,2	**Accuracy mm / m**
2	3 + 1	3	**Number of laser lines**
120° / 360°	120° / 360°	360°	**Laser spread**
	1		**Number of laser points**
	●	●	**Plumb laser**
3°	3°	3°	**Levelling range**
Automatic-Level	Automatic-Level	Automatic-Level	**Levelling principle**
●	●	●	**Receiver mode**
●	●	●	**USB-C**
Battery pack	Battery pack	Battery pack	**Li-ion Battery**

● = available
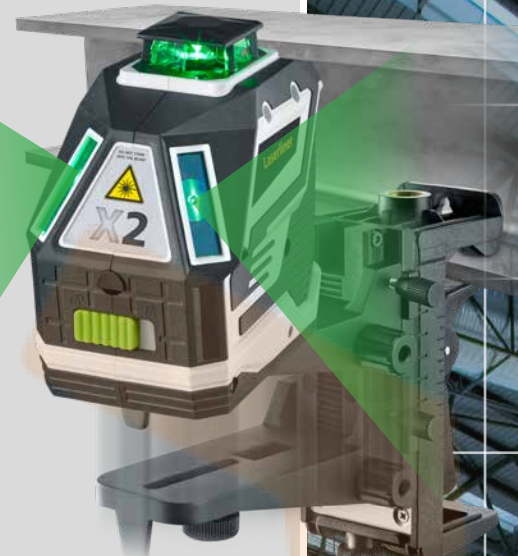
HIGH VISIBILITY 6x

Green laser technology

* Approx. 6 times brighter than a typical red 630 - 660 nm laser

**With CrossGrip Pro –
Can be used horizontally
and vertically**

1/4"

HIGH VISIBILITY   X-range

X1-Laser

6x *

Green cross-line laser with a horizontal 360° laser circle and one vertical line
– The horizontal laser line creates a closed 360° laser line, and the vertical laser line is perpendicular to it.
– Optimised for work close to the ceiling
– 3° self-levelling range, accuracy 0.2 mm / m
– Individually switchable laser
– Additional slope function for aligning inclines
– With the magnetic clamp and wall bracket CrossGrip Pro the device can be used as a stand-alone unit, in a combination as well as in horizontal and vertical position. With adjustable clamping range.
– Ideal for mounting on drywall construction profiles
– Long-lasting, powerful rechargeable lithium-ion battery
– Micro USB port for charging battery
– Power pack connection for continuous operation
– GRX-Ready: in combination with the optional laser receiver, the integrated hand-held receiver mode permits detection of laser lines at long distances and under unfavourable light conditions.
– Green laser technology with 0°C...50°C temperature range

* Approx. 6 times brighter than a typical red 630 - 660 nm laser

CrossGrip   0°   90°

1HG360° 1VG

S

MORE POWER   **USB-C**

OPTION

Inclusive: X1-Laser, CrossGrip, 2x Li-ion battery pack with external charging station, power supply/battery charger incl. international adapter, carrying case

ORDER NO.	EAN-CODE	PU
031.500A	4 021563 709663	1

Laser 515 nm | 2 | **PowerGreen LASER** | **AUTOMATIC LEVEL** | lock | **360° LASER** | **GRX READY** | mag | 1/4" | 5/8" | IP 54 | **Li-Ion Battery** | **HARD**

X2-Laser Pro

6x *

Green cross-line laser with a horizontal 360° laser circle, two vertical lines and plumb function
– The horizontal laser line creates a closed 360° laser line, and the both vertical laser lines are perpendicular to it.
– Optimised for work close to the ceiling
– 3° self-levelling range, accuracy 0.2 mm / m
– Additional slope function for aligning inclines
– Individually switchable laser
– Additional plumb laser downs
– With the magnetic clamp and wall bracket CrossGrip Pro the device can be used as a stand-alone unit, in a combination as well as in horizontal and vertical position. With adjustable clamping range.
– Ideal for mounting on drywall construction profiles
– Long-lasting, powerful rechargeable lithium-ion battery
– Micro USB port for charging battery
– GRX-Ready: in combination with the optional laser receiver, the integrated hand-held receiver mode permits detection of laser lines at long distances and under unfavourable light conditions.
– Green laser technology with 0°C...50°C temperature range

* Approx. 6 times brighter than a typical red 630 - 660 nm laser

90°

1HG360° 2VG 1D

S

MORE POWER   **USB-C**

OPTION
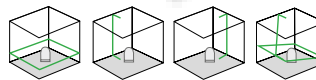
Inclusive: X2-Laser, CrossGrip, 2x Li-ion battery pack with external charging station, power supply/battery charger incl. international adapter, carrying case

ORDER NO.	EAN-CODE	PU
031.550L	4 021563 714872	1

Laser 650 nm

Laser 515 nm | 2 | **PowerGreen LASER** | **AUTOMATIC LEVEL** | lock | **360° LASER** | **GRX READY** | mag | 1/4" | 5/8" | IP 54 | **Li-Ion Battery** | **L-BOXX**

HIGH VISIBILITY

X-range

- **1x horizontal 360° laser circle**
- **1x vertical laser**

- **1x horizontal 360° laser circle**
- **2x vertical laser, 90° laser angle**
- **Plumb laser**

- **1x horizontal 360° laser circle**
- **2x 360° vertical laser circle, 90° laser angle**
- **Plumb function using laser crosses**

X3-Laser Pro

6x *

1HG360° 2VG360°

S

Green three-dimensional laser with a horizontal and two vertical 360° laser circles
– Horizontal and vertical 360° laser lines with green DLD laser technology achieve high quality lines: precise, clear and therefore easily visible.
– Straight forward plumb function using laser crosses
– Optimised for work close to the ceiling
– 3° self-levelling range, accuracy 0.2 mm / m
– Individually switchable laser
– Additional slope function for aligning inclines
– With the magnetic clamp and wall bracket CrossGrip Pro the device can be used as a stand-alone unit, in a combination as well as in horizontal and vertical position. With adjustable clamping range.
– Ideal for mounting on drywall construction profiles
– Out-Of-Level: is indicated by optical signals when the unit is outside its self-levelling range.
– Long-lasting, powerful rechargeable lithium-ion battery
– Micro USB port for charging battery
– Power pack connection for continuous operation
– GRX-Ready: in combination with the optional laser receiver, the integrated hand-held receiver mode permits detection of laser lines at long distances and under unfavourable light conditions.
– Green laser technology with 0°C…50°C temperature range

* Approx. 6 times brighter than a typical red 630 - 660 nm laser

max. 74 mm

Precise fine adjustment

90°

WORK AND CHARGE

USB-C

Inclusive: X3-Laser, CrossGrip Pro, 2x Li-ion battery pack with external charging station, power supply/battery charger incl. international adapter, complete in the L-BOXX 136

OPTION

ORDER NO.	EAN-CODE	PU
036.800L	4 021563 705221	1

Laser 515 nm | 2 | PowerGreen | AUTOMATIC LEVEL | lock | 360° LASER | GRX READY | mag | 1/4" | 5/8" | IP 54 | Li-Ion Battery | L-BOXX

Automatic alignment and sensor lasers
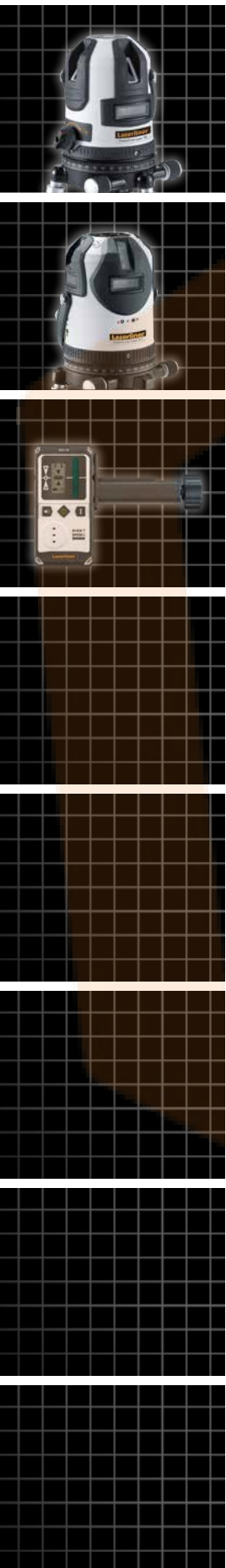
Pendulum and sensor lasers

Overview

4G

	PowerCross-Laser 5 Combi	PowerCross-Laser 8G	PrecisionPlane-Laser 4G Pro
System	1HG / 1VG / 3V / 1D	4GH / 4GV / 1D	2HG360° / 2VG360°
Brightness / **Visibility at 300 Lux**	PowerBright / PowerGreen ⊞ 55 m	PowerGreen ⊞⊞ 55 m	PowerGreen 60 m
Accuracy mm / m	0,15	0,1	0,15
Number	5	8	4
Laser spread	HG 120° VG 180°	H360° (4 x 90°) V180°	360°
Number of laser points	1	1	
Plumb function	●	●	●
Levelling range	2°	3°	3°
Levelling principle	Automatic-Level	Sensor-Automatic	Sensor-Automatic
Vertical fine adjustment	●	●	●
AntiShake		●	●
Slope function	manuel	electronic	electronic
Receiver mode	●	●	●
USB-C			●
Li-ion Battery			Battery pack
Battery status			●

● = available

Laser receiver for cross-line lasers with GRX/RX technology

max. 40 m

max. 60 m

With the laser receiver the laser lines can be seen in any light. With GRX/RX-Ready-Technology the laser lines pulsate at a high frequency. This pulsation allows to detect laser lines up to 60 m away.

Universal mount for attachment on the levelling staff. Flexi levelling staffs are recommended for all ground level measurements.

DIGITAL CONNECTION

Gratis Commander app for remote operation of Laserliner measuring technology

- Remote control of the measuring deviceat inaccessible locations
- Individual choice of laser
- Set laser brightness
- Device protection against vibration (TILT mode)
- Standby and hand-held receiver mode on/off switch

auto man X Y

TOOLS WITH COMMUNICATION

HIGH VISIBILITY Pendulum lasers
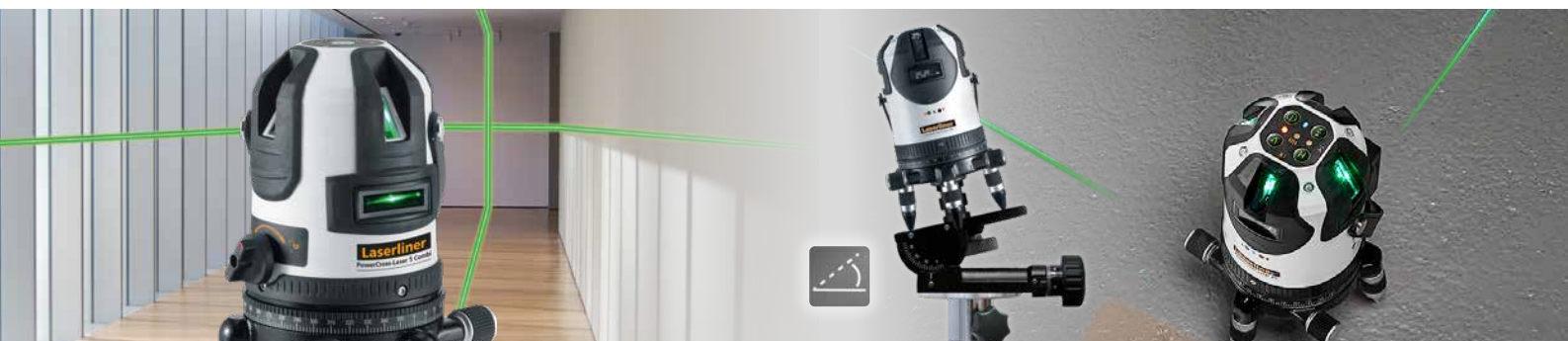
PowerCross-Laser 5 Combi

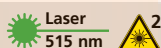**Green cross-line laser with ultra bright diode technology, and an additional 3 red laser lines and plumb function**
– Extremely bright green DLD laser cross at the front achieves high-quality lines: precise, clear and therefore easily visible. Additional 3 vertical red laser lines.
– 2° self-levelling range, accuracy 0.15 mm / m
– Removable lithium-ion rechargeable battery
– Perpendicular alignment of vertical laser lines
– Straight forward plumb function using laser cross at the top and additional plumb laser.
– Additional slope function for aligning inclines
– The pivoted housing can be turned with a vernier adjustment mechanism to permit exact positioning of laser lines
– RX-/GRX-Ready: in combination with the optional laser receiver, the integrated hand-held receiver modes permit detection of laser lines at long distances and under unfavourable light conditions.
– Green laser technology with 0°C...50°C temperature range

* Approx. 6 times brighter than a typical red 630 - 660 nm laser

1HG 1VG 3V 1D
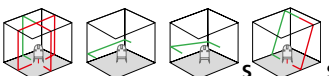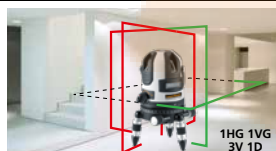
Inclusive: PowerCross-Laser 5 Combi, power supply/battery charger incl. international adapter, tripod adapter (for crank tripods), rubber caps, lithium-ion rechargeable battery, complete in the L-BOXX 136

OPTION

ORDER NO.	EAN-CODE	PU
057.300L	4 021563 707010	1

Laser 515 nm | 2 | PowerGreen+ LASER | AUTOMATIC LEVEL | lock | GRX READY | Laser 635 nm | PowerBright LASER | RX READY | 5/8" | IP 54 | Li-Ion Battery | RECHARGE | L-BOXX

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PowerCross-Laser 8G

High-precision cross-line laser with 8 ultra-bright laser lines, plumb function and Digital Connection interface
– The 4 horizontal laser diodes project a very bright homogeneous 360° laser line, the 4 vertical laser lines are aligned at right angles to one another.
– Motorised adjustment up to ± 3°
– 3° self-levelling range, accuracy 0.1 mm / m
– Removable lithium-ion rechargeable battery
– IR remote control allows the manual slope function for aligning inclines to be controlled. The relevant axes are visually displayed via LEDs.
– Straightforward plumb function using laser cross at the top and additional plumb laser
– The pivoted housing can be turned with a vernier adjustment mechanism and horizontal circle to permit exact positioning of laser lines
– Digital Connection interface with remote control
– RX-Ready: The laser receiver RX G 60, which is available as an optional extra, can detect laser lines in a range of up to 60 m – ideal for outdoor applications.

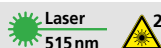* Approx. 6 times brighter than a typical red 630 - 660 nm laser

Commander App

4HG 4VG 1D
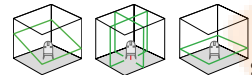
BONUS
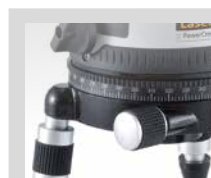
Stable metal base with vernier adjustment

Inclusive: PowerCross-Laser 8 G, laser enhancement glasses, power supply/battery charger incl. international adapter, remote control, tripod adapter (for crank tripods), rubber caps, lithium-ion rechargeable battery, complete in the L-BOXX 238

OPTION

ORDER NO.	EAN-CODE	PU
032.090L	4 021563 718122	1

Laser 515 nm | 2 | PowerGreen+ LASER | SENSOR AUTOMATIC | lock | GRX READY | ANTI SHAKE | 5/8" | IP 54 | Li-Ion Battery | RECHARGE | L-BOXX

HIGH VISIBILITY   Sensor lasers

PCL4G

GRATIS
Commander App

App-controlled
fine adjustment

PrecisionPlane-Laser 4G Pro

*
6x

Three-dimensional laser four ultra-bright green 360° laser circles
– Particularly suitable for alignment close to the floor
– 3° self-levelling range, accuracy 0.15 mm / m
– Straight forward plumb function using laser crosses
– Individually switchable laser
– Additional slope function for aligning inclines
– Digital Connection interface with remote control
– Easy-to-read battery charge status
– Digital Connection interface with remote control
– With the magnetic clamp and wall bracket CrossGrip
   Pro the device can be used as a stand-alone unit,
   in a combination as well as in horizontal and
   vertical position. With adjustable clamping range.
– Long-lasting, powerful rechargeable lithium-ion battery
– USB port for charging battery
– Horizontal and vertical 360° laser lines laser
   technology achieve high quality lines: precise,
   clear and therefore easily visible.
– GRX-Ready: in combination with the optional laser
   receiver, the integrated hand-held receiver mode
   permits detection of laser lines at long distances and
   under unfavourable light conditions.
– Green laser technology with 0°C...50°C
   temperature range

* Approx. 6 times brighter than a typical red 630 - 660 nm laser

Commander App

2HG360° 2VG360°

S

COMPLETE
IN A CASE

HIGH
CAPACITY
PACK

USB-C

Inclusive: PrecisionPlane-Laser 4G, CrossGrip Pro, TopHolder,
2x Li-Ion battery pack with external charging station,
power supply/battery charger incl. international adapter,
complete in the L-BOXX 136

ORDER NO.	EAN-CODE	PU
039.600L	4 021563 714391	1

OPTION

Laser 515 nm	2	PowerGreen LASER	sensor AUTOMATIC	lock	GRX READY	ANTI SHAKE	ADS Tilt		1/4"	5/8"	IP 54	Li-Ion Battery	RECHARGE	L-BOXX

TopHolder

CROSS GRIP PRO

max. 74 mm

Accessories

CombiRangeXtender 40

max.
40 m

**Laser receiver for all line lasers with
RX and GRX READY technology**
– Fast alignment work in close and long distance
– With RX- and GRX-READY, the laser lines pulsate
  at a high frequency. This pulsation allows
  the CombiRangeXtender to detect laser
  lines up
  to a maximum of 40 m away.
– Head and side magnets
– The universal mount enables the device
  to be attached to levelling staffs.

Inclusive: universal mount, batteries

ORDER NO.	EAN-CODE	PU
033.35A	4 021563 703593	1

RX READY · GRX READY · HIGH SPEED · magnetic · 2x AAA

OPTION

RangeXtender 60

max.
60 m

**Laser receiver for all line lasers with
RX and GRX READY technology**
– Fast alignment work in close and long distance
– With RX-READY, the laser lines pulsate at a high
  frequency. This pulsation allows the RangeXtender 60
  to detect laser lines up to a maximum of 60 m away.
– Head magnet
– The universal mount enables the device
  to be attached to levelling staffs.

Not suitable for green lasers.

Inclusive: universal mount, batteries, carrying case

ORDER NO.	EAN-CODE	PU
033.50A	4 021563 710157	1

RX READY · HIGH SPEED · magnetic · AutoSound · IP 66 · 4x AAA · HARD

OPTION

RangeXtender G 60

max.
60 m

**Laser receiver for all line lasers with
RX and GRX READY technology**
– Fast alignment work in close and long distance
– With GRX-READY, the laser lines pulsate
  at a high frequency. This pulsation allows
  the RangeXtender G 60 to detect laser lines up
  to a maximum of 60 m away.
– Head magnet
– The universal mount enables the device
  to be attached to levelling staffs.

Not suitable for red lasers.

Inclusive: universal mount, batteries, carrying case

ORDER NO.	EAN-CODE	PU
033.55A	4 021563 710164	1

GRX READY · HIGH SPEED · magnetic · AutoSound · IP 66 · 4x AAA · HARD

OPTION

RangeXtender M50

**NEW**

max.
50 m

DIGITAL mm

**Laser receiver for all line lasers with RX and
GRX READY technology and millimetre display**
– Fast alignment work in close and long distance
– Millimetre display for quick and accurate reading of
  height differences with respect to the laser level
– With GRX-READY, the laser lines pulsate
  at a high frequency. This pulsation allows
  the RangeXtender M50 to detect laser lines up
  to a maximum of 50 m away.
– Kopf- und Seitenmagnet
– Two vials for precise alignment
– The universal mount enables the device
  to be attached to levelling staffs.

Not suitable for red lasers.

Inclusive: universal mount, batteries, carrying case

ORDER NO.	EAN-CODE	PU
033.70A	4 021563 726042	1

GRX READY · HIGH SPEED · magnetic · AutoSound · IP 66 · 2x AAA · HARD

OPTION

DIGITAL mm

RXM 50
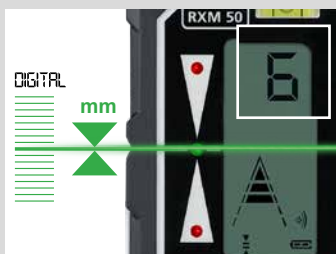
– **Millimetre exact distance
  reading for laser level**

– **Laser range up to 50 m**

SpeedPowerPack

High-performance battery set
– For longer operating periods in conjunction
  with laser measuring devices
– Charging of 1 to 4 NiMH batteries
– Environmentally friendly and cost effective
– Older NiMH batteries can be refreshed with
  the REFRESH function
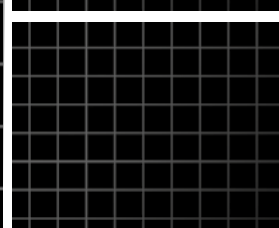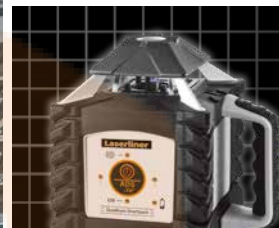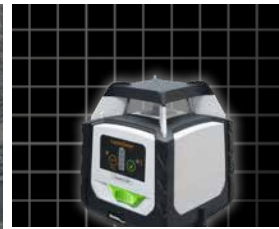– Battery charge status shown on LC display

Charging time

Type AA, 2700mAh: 140 min.	Type AA, 1500mAh: 75 min.
Type AA, 2000mAh: 100 min.	Type AAA, 800mAh: 80 min.

Inclusive: SpeedPowerPack, power supply/battery charger
incl. international adapter, rechargeable batteries

ORDER NO.	EAN-CODE	PU
039.901A	4 021563 665174	1

4x AA

Hybrid and rotary lasers

INTERIOR FINISHING WORK, ABOVE AND BELOW GROUND CONSTRUCTION

Rotary lasers are used for a variety of accurately convey heights, alignments and slopes over great distances, even in poor visibility. Laserliner rotary lasers make measuring easier and safer and present numerous application options. Their reliability and accuracy have proved themselves in practical applications, even in very unusual situations.

Laser 635 nm
Rotary lasers with 635 nm technology have a large temperature range in which they operate reliably. Visibility is limited to indoor area applications.

Laser 515 nm
Green looks 6 times brighter than red. This makes possible applications on dark surfaces, over long distances and working even in very bright ambient light conditions. A red laser with a wavelength of 635 nm is used as reference for the difference in brightness.

Automatic alignment of the device…

sensor AUTOMATIC sensor AUTOMATIC

…with electronic vials and positioning motors controlled by temperaturestable sensors for automaticalignment of devices.

AUTOMATIC LEVEL

…with a magnetically dampened pendulum system.

The devices are set to their initial position and align themselves automatically in a matter of seconds.

ADS Tilt

Prevents erroneous or inaccurate measurements: Continuous monitoring of the alignment of the laser is activated 20 or 30/35 seconds after automatic levelling. Measurements will be suspended as a precaution if the device is disturbed unintentionally or moves due to the influence of external factors.

ANTI SHAKE

Additional function for all units with „Sensor Automatic": The electronic permanently levels the units even if these are moving. For quick levelling, on vibrating surfaces and windy weather.

lock   lock

Transport LOCK: Units with "Automatic Level" are protected with a pendelum lock during transport. A special motor lock protects units with "Sensor Automatic".
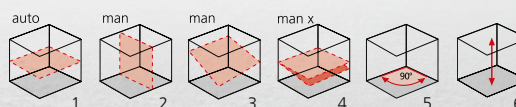
2
Laser class

IP 66   IP 54

The measuring tools are characterised by specific protection against dust and rain.

RECHARGE Battery system

Powerful technology

auto   man   man   man x

1.   2.   3.   4.   5.   6.

The space grids show the laser planes and functions.
1. Horizontal levelling   **3.** Slope function   **5.** 90° angle
2. Vertical levelling   **4.** Slope function of one axis   **6.** Reference beam up/ Plumb laser down

auto: Automatic alignment   **man:** Manual alignment

Interior finishing work, above and below ground construction

Overview

	Duraplane G360	Cubus	Quadrum OneTouch	Quadrum	Quadrum DigiPlus	Centurium Express G
Type	hybrid	rotation	rotation	rotation	rotation	rotation
Brightness Visibility at 300 Lux	PowerGreen ⊞⊞ 60 m					
Horizontal	auto	auto	auto	auto	auto	auto
Vertical		auto		auto	auto	auto
Accuracy mm / m	0,2	0,15	0,075	0,1	0,075	0,075
Reference beam up		●		●	●	●
Plumb laser down				●	●	●
HighSpeed						●
Levelling range	3,5°	4°	5°	5°	6°	4°
Levelling principle	Automatic Level	Sensor-Automatic	Sensor-Automatic	Sensor-Automatic	Sensor-Automatic	Sensor-Automatic
AntiDriftSystem (Tilt)	●	●	●	●	●	●
Vertical fine adjustment				●	●	●
AntiShake			●			●
Slope function	manual	manual	DualSlope	DualSlope	Single-/DualGrade	DualSlope
Remote control		●	●	●	●	●
Receiver mode	●	●	●	●	●	●
Green laser technology	●	○		○		●
Laser class	2	2	2	2	2	2

● = available   ○ = optional

Hybrid laser – new generation

Duraplane G360
Combination of rotary and line laser function

High level of robustness and accuracy combined with an extremely bright and highly visible fine line that is easy to mark.
For indoor and outdoor applications.

- Laser booster: doubles visibility without a receiver
- ADS Tilt prevents incorrect measurements of the reference height in the event of vibrations
- More power with replacement lithium-ion rechargeable battery
- With battery status indicator

Rotary lasers

High level of robustness, accuracy and range up to 400 m radius with optimal visibility due to different laser modes.
For indoor and outdoor applications.

- Laser modes: spot, scan, rotary and hand receiver mode
- Levelling range to 4° – vertical
- ADS Tilt prevents incorrect measurements of the reference height in the event of vibrations
- Horizontal / vertical levelling
- Plumb laser up (90° reference beam)

HIGH VISIBILITY

Interior finishing work and above ground construction

2 IN 1 HYBRID LASER

Receiver mode
Use of the 360° laser line in outdoor areas with GRX technology. The laser line is detected with a laser receiver on long distances. Working range max.120 m

ø max. 120 m

Without receiver mode
Visibility becomes constantly brighter for unfavourable lighting conditions e.g. in indoor finishing work
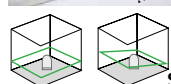

Duraplane G360 RX

6x *

2 IN 1 HYBRID LASER

CrossGrip Snap
0°
90°

Robust horizontal 360° green line laser with anti-drift system and laser receiver
– The horizontal laser line generates an extremely bright closed 360° laser circle with 2 brightness levels
– Optimised for work close to the ceiling
– 3,5° self-levelling range, accuracy 0.2 mm / m
– Additional slope function for aligning inclines
– With the magnetic clamp and wall bracket CrossGrip Snap the device can be used as a stand-alone unit, in a combination as well as in horizontal and vertical position. With adjustable clamping range.
– Ideal for mounting on drywall construction profiles
– Long-lasting, powerful rechargeable lithium-ion battery
– Power supply/battery charger incl. international adapter for continuous operation
– GRX-Ready: in combination with the laser receiver, the integrated hand-held receiver mode permits detection of laser lines at long distances and under unfavourable light conditions.
– Green laser technology with 0°C...50°C temperature range

RangeXtender G 60
– Product description same as page 62

* Approx. 6 times brighter than a typical red 630 - 660 nm laser

Inclusive

max. 60 m

1HG360°

S

WORK AND CHARGE

Inclusive: Duraplane G360, RangeXtender G 60, CrossGrip Snap, 2x Li-Ion battery pack with external charging station, power supply/battery charger incl. international adapter, carrying case

ORDER NO.	EAN-CODE	PU
052.551A	4 021563 712564	1

Duraplane G360 set 175 cm

Robust horizontal 360° green line laser with anti-drift system, compact tripod 175 cm, telescopic Levelling staff 3 m and laser receiver
– Product description same as Duraplane G360 without CrossGrip Snap
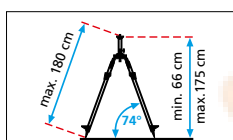
RangeXtender G 60
– Product description same as page 62

Compact tripod 175 cm
– Crank tripod made of aluminium

Telescopic Levelling Staff 3 m
– Easily legible, highly stable levelling staffs for use even under extreme conditions
– Made of strong aluminium section

max. 180 cm
min. 66 cm
max. 175 cm
74°

COMPLETE IN A SET CASE

Inclusive: Duraplane G360, RangeXtender G 60, 2x Li-Ion battery pack with external charging station, power supply/battery charger incl. international adapter, compact tripod 175 cm, 5/8" thread adapter, telescopic Levelling staff 3 m, complete in a set case

ORDER NO.	EAN-CODE	PU
052.555A	4 021563 710515	1

Laser 515 nm | 2 | PowerGreen LASER | ADS Tilt | AUTOMATIC LEVEL | lock | 360° LASER | GRX READY | mag | 5/8" | IP 54 | Li-Ion Battery | RECHARGE | HARD

Interior finishing work, above and below ground construction

INFRARED
REMOTE CONTROL

Cubus 110 S

Fully automatic rotary laser
– With laser receiver and snap-on stand/wall bracket
– 4° self-levelling range, accuracy 0.15 mm / m
– Laser modes: spot, scan, rotary
  and hand receiver mode
– Slope function
– All functions of the rotary laser can be controlled
  with the remote control from up to 40 m.
– The additional reference beam makes alignment
  of partitions easier.
– Snap-on stand/wall bracket
– Work efficiently and charge the battery
  at the same time

Laser receiver SensoLite 110 set
– Laser receiver range up to 100 m radius
– The LC display on the front and acoustic
  signals show the height of the laser beam.
– With head magnet

auto   auto   man

**WORK
AND CHARGE**

Inclusive

max.
100 m
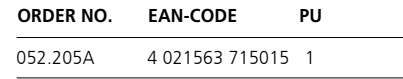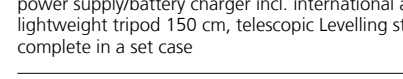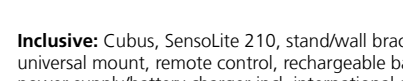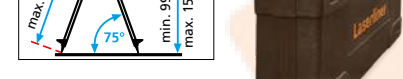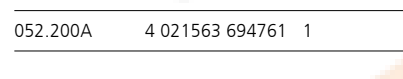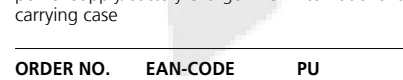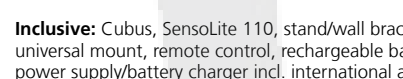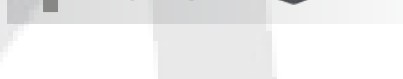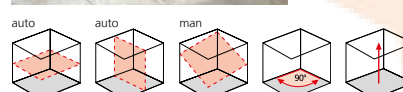
Inclusive: Cubus, SensoLite 110, stand/wall bracket,
universal mount, remote control, rechargeable battery,
power supply/battery charger incl. international adapter,
carrying case

ORDER NO.	EAN-CODE	PU
052.200A	4 021563 694761	1

Cubus 210 S set

**Fully automatic rotary laser, lightweight
tripod 150 cm, telescopic Levelling staff 4 m
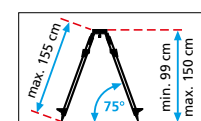and laser receiver**
– Product description same as Cubus 110 S
– With SensoLite 210 instead of SensoLite 110
– Laser receiver range up to 200 m radius

Lightweight tripod 150 cm
– Product description same as lightweight tripod 165 cm,
  page 79

Telescopic Levelling Staff 4 m
– Easily legible, highly stable levelling staffs
  for use even under extreme conditions
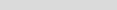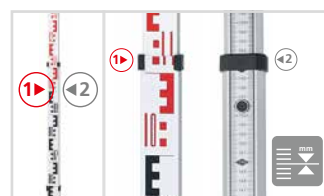– Made of strong aluminium section

max. 155 cm   min. 99 cm / max. 150 cm   75°

**COMPLETE IN
A SET CASE**

Inclusive: Cubus, SensoLite 210, stand/wall bracket,
universal mount, remote control, rechargeable battery,
power supply/battery charger incl. international adapter,
lightweight tripod 150 cm, telescopic Levelling staff 4 m,
complete in a set case

ORDER NO.	EAN-CODE	PU
052.205A	4 021563 715015	1

Laser 635 nm   2   sensor AUTOMATIC   lock   ADS Tilt   Control   5/8"   IP 66   RECHARGE   HARD

HIGH VISIBILITY Interior finishing work, above and below ground construction
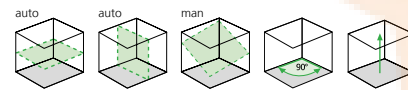

Cubus G 110 S

6x *

Fully automatic rotary laser with green laser technology
– Product description same as Cubus 110 S
– With SensoLite G 110 instead of SensoLite 110
– Green laser technology achieves high-quality lines: precise, clear and therefore easily visible.
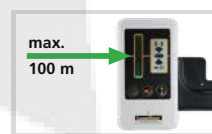– Green laser technology with 0°C...50°C temperature range

Laser receiver SensoLite G 110 set
– Product description same as SensoLite 110
– Laser receiver range up to 100 m radius

* Approx. 6 times brighter than a typical red 630 - 660 nm laser

auto   auto   man

WORK AND CHARGE

Inclusive

max. 100 m

Inclusive: Cubus G, SensoLite 110 G, stand/wall bracket, universal mount, remote control, rechargeable battery, power supply/battery charger incl. international adapter, carrying case

ORDER NO.	EAN-CODE	PU
052.300A	4 021563 695201	1

Cubus G 210 S set

6x *

Fully automatic rotary laser with green laser technology, lightweight tripod 150 cm, telescopic Levelling staff 4 m and laser receiver
– Product description same as Cubus G 110 S
– With SensoLite G 210 instead of SensoLite G 110
– Laser receiver range up to 200 m radius
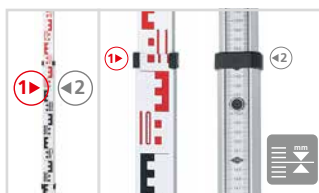
Leichtstativ 150 cm
– Product description same as lightweight tripod 165 cm, page 79

Telescopic Levelling Staff 4 m
– Easily legible, highly stable levelling staffs for use even under extreme conditions
– Made of strong aluminium section

max. 155 cm   min. 99 cm   max. 150 cm   75°
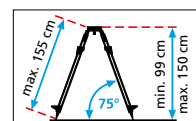
COMPLETE IN A SET CASE

Inclusive: Cubus, SensoLite G 210, stand/wall bracket, universal mount, remote control, rechargeable battery, power supply/battery charger incl. international adapter, lightweight tripod 150 cm, telescopic Levelling staff 4 m, complete in a set case

ORDER NO.	EAN-CODE	PU
052.305A	4 021563 715022	1

Laser 515 nm   2   SENSOR AUTOMATIC   lock   ADS Tilt   Control   5/8"   IP 66   RECHARGE   HARD

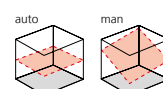# Interior finishing work, above and below ground construction
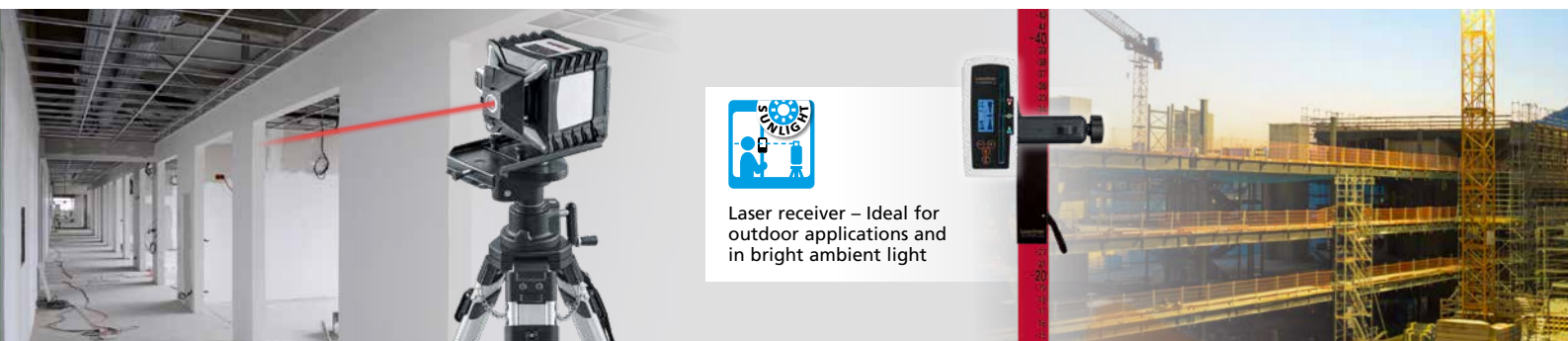
Laser receiver – Ideal for outdoor applications and in bright ambient light

Quadrum OneTouch 410 S

One-button operation rotary laser.
For horizontal levelling over great distances.
– Simple one-button operation
– 5° self-levelling range, accuracy 0.075 mm / m
– Laser modes: spot, scan, rotary and hand receiver mode
– All functions of the rotary laser can be controlled with the remote control from up to 40 m.
– The 4 IR receiving diodes allow this instrument to be remotely operated from all sides.
– Integrated safe-operating concept OneTouch
– Laser receiver range up to 400 m radius

auto   man

Inclusive: Quadrum OneTouch, SensoLite 410, universal mount, remote control, rechargeable battery, battery compartment, power supply/battery charger incl. international adapter, carrying case, batteries

OneTouch operation
The laser is switched over from setup mode (AntiShake) into secure mode (ADS-Tilt) with a single press of a button – simple operation.

ORDER NO.	EAN-CODE	PU
053.200A	4 021563 677849	1

Quadrum OneTouch M350 S

One-button operation rotary laser.
– Product description same as Quadrum OneTouch 410 S
– With SensoMaster M350 instead of SensoLite 410
– Laser receiver range up to 350 m radius

Inclusive: Quadrum OneTouch 410 S, SensoMaster M350, universal mount, remote control, rechargeable battery, battery compartment, ower supply/battery charger incl. international adapter, carrying case, batteries

ORDER NO.	EAN-CODE	PU
053.260A	4 021563 714858	1

Laser 635 nm | 2 | sensor AUTOMATIC | lock | ANTI SHAKE | ADS Tilt | Control | 5/8" | IP 66 | 4 x C | RECHARGE | HARD

Quadrum OneTouch 410 S set

One-button operation rotary laser
– Product description same as Quadrum OneTouch 410 S

Crank Tripod P 260 cm
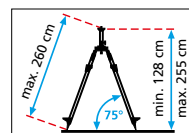– Product description same as on page 79

FL set
Flexi levelling staff Plus
– Product description same as on page 81

LT set
Telescopic Levelling staff LT 5 m
– Product description same as on page 81

max. 260 cm   min. 128 cm   max. 255 cm   75°

Inclusive: Quadrum OneTouch, SensoLite 410, universal mount, remote control, rechargeable battery, battery compartment, power supply/battery charger incl. international adapter, carrying case, batteries, crank tripod P 260 cm with carrying strap, set FL: flexi levelling staff Plus, FlexiSlider, set LT: telescopic Levelling staff LT 5 m

	ORDER NO.	EAN-CODE	PU
FL set	053.200-2	4 021563 700752	1
LT set	053.200-3	4 021563 700820	1

Laser 635 nm | 2 | sensor AUTOMATIC | lock | ANTI SHAKE | ADS Tilt | Control | 5/8" | IP 66 | 4 x C | RECHARGE | HARD

Interior finishing work, above and below ground construction

Quadrum 410 S

Fully automatic rotary laser
– With additional red plumb laser
– 5° self-levelling range, accuracy 0.1 mm / m
– Laser modes: spot, scan, rotary
  and hand receiver mode
– All functions of the rotary laser can be controlled
  with the remote control from up to 40 m.
– The 4 IR receiving diodes allow this instrument
  to be remotely operated from all sides.
– Laser receiver range up to 400 m radius

auto   auto   man
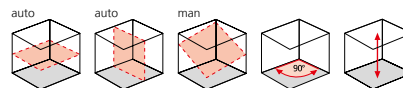
Inclusive: Quadrum, SensoLite 410, universal mount,
remote control, rechargeable battery, battery compartment,
power supply/battery charger incl. international adapter,
carrying case, batteries

ORDER NO.	EAN-CODE	PU
053.00.07A	4 021563 670772	1

Quadrum M350 S

Fully automatic rotary laser
– Product description same as
  Quadrum 410 S
– With SensoMaster M350 instead of
  SensoLite 410
– Laser receiver range up to 350 m radius

Inclusive: Quadrum, SensoMaster M350 universal mount,
remote control, rechargeable battery, battery compartment,
power supply/battery charger incl. int. adapter, carrying case,
batteries

ORDER NO.	EAN-CODE	PU
053.00.09A	4 021563 707171	1

DIGITAL mm

Laser 635 nm | 2 | sensor AUTOMATIC | lock | ADS Tilt | FEC Control | 5/8" | IP 66 | 4 x C | RECHARGE | HARD
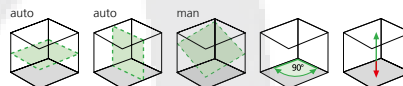
Quadrum G 410 S

6x *

**Fully automatic rotary laser with
green laser technology**
– Product description same as Quadrum 410 S
– Green laser technology achieves high-quality lines:
  precise, clear and therefore easily visible.
– Green laser technology with 0°C...50°C
  temperature range

* Approx. 6 times brighter than a typical red 630 - 660 nm laser

auto   auto   man

Inclusive: Quadrum G, SensoLite 410, universal mount,
remote control, rechargeable battery, battery compartment,
power supply/battery charger incl. international adapter,
carrying case, batteries

ORDER NO.	EAN-CODE	PU
053.00.02A	4 021563 677856	1

Laser 515 nm | 2 | sensor AUTOMATIC | lock | ADS Tilt | FEC Control | 5/8" | IP 66 | 4 x C | RECHARGE | HARD

Quadrum 410 S set

FL

LT

Fully automatic rotary laser
– Product description same as Quadrum 410 S

Crank Tripod P 260 cm
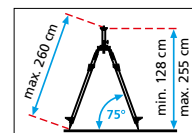– Product description same as on page 79

**FL set
Flexi levelling staff Plus**
– Product description same as on page 81

**LT set
Telescopic Levelling staff LT 5 m**
– Product description same as on page 81

max. 260 cm   75°   min. 128 cm   max. 255 cm

Inclusive: Quadrum, SensoLite 410, universal mount,
remote control, rechargeable battery, battery compartment,
ower supply/battery charger incl. international adapter, carrying
case, batteries crank tripod P 260 cm with carrying strap,
set FL: flexi levelling staff Plus, FlexiSlider,
set LT: Telescopic Levelling staff LT 5 m

	ORDER NO.	EAN-CODE	PU
FL set	053.00.07-4	4 021563 682386	1
LT set	053.00.07-5	4 021563 692743	1

Laser 635 nm | 2 | sensor AUTOMATIC | lock | ADS Tilt | FEC Control | 5/8" | IP 66 | 4 x C | RECHARGE | HARD

≣**HIGH VISIBILITY**≣ Interior finishing work, above and below ground construction

Quadrum DigiPlus 410 S

2-axis inclination laser
– 6° self-levelling range, accuracy 0.075 mm / m
– Deviation from the horizontal plane can set digitally in X and Y axes.
– Laser modes: spot, scan, rotary and hand receiver mode
– High maximum speed of 600 rpm
– Large illuminated LCD
– The laser modes of the rotary laser can be controlled with the remote control from up to 40 m.
– The 4 IR receiving diodes allow this instrument to be remotely operated from all sides.
– Laser receiver range up to 400 m radius

auto   auto   auto x   auto y   man
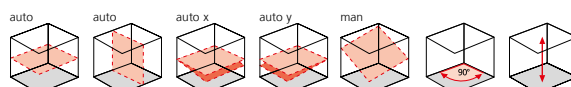
Inclusive: Quadrum DigiPlus, SensoLite 410, universal mount, remote control, rechargeable battery, battery compartment, power supply/battery charger incl. international adapter, carrying case, batteries

ORDER NO.	EAN-CODE	PU
053.300A	4 021563 682270	1

Quadrum DigiPlus M350 S

2-axis inclination laser
– Product description same as Quadrum DigiPlus 410 S
– With SensoMaster M350 instead of SensoLite 410
– Laser receiver range up to 350 m radius

Inclusive: Quadrum DigiPlus, SensoMaster M350, universal mount, remote control, rechargeable battery, battery compartment, power supply/battery charger incl. int. adapter, carrying case, batteries

ORDER NO.	EAN-CODE	PU
053.350A	4 021563 708956	1

Laser 635 nm | 2 | sensor AUTOMATIC | lock | ADS Tilt | Control | 5/8" | IP 66 | 4 x C | RECHARGE | HARD

DIGITAL CONNECTION

Gratis Commander app for remote operation of Laserliner measuring technology

- Remote control of the measuring device at inaccessible locations
- Individual choice of laser
- Set laser brightness
- Device protection against vibration (TILT mode)
- Standby and hand-held receiver mode on/off switch

App-controlled fine adjustment

Centurium Express G 410 S

6x*

Fully automatic rotary laser with green laser technology and Digital Connection interface
– Green laser technology achieves high-quality lines: precise, clear and therefore easily visible.
– 4° self-levelling range, accuracy 0.075 mm / m
– Laser modes: spot, scan, rotary and hand receiver mode
– All functions of the rotary laser can be controlled with the remote control from up to 40 m.
– The 4 IR receiving diodes allow this instrument to be remotely operated from all sides.
– Extremely high speed of max. 800 rpm for fast results in express hand-held receiver mode
– AntiShake function for quick set-up on ground with slight vibrations and in strong wind
– Digital Connection interface with remote control
– Laser receiver range up to 400 m radius
– Green laser technology with 0°C...50°C temperature range

* Approx. 6 times brighter than a typical red 630 - 660 nm laser

auto   auto   man x   man y

Commander App
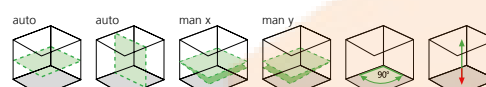
Inclusive: Centurium Express G, SensoLite 410, universal mount, remote control, rechargeable battery, battery compartment, power supply/battery charger incl. international adapter, batteries, complete in the L-BOXX 238

ORDER NO.	EAN-CODE	PU
056.500L	4 021563 685301	1

Laser 515 nm | 2 | sensor AUTOMATIC | lock | ANTI SHAKE | ADS Tilt | Control | HIGH SPEED | 5/8" | IP 66 | 4 x C | RECHARGE | L-BOXX

Accessories

SensoLite 210 set

max.
200 m

Laser receiver for red rotary lasers
– Fast alignment work in close and long distance
– Head magnet
– The universal mount enables the device
   to be attached to levelling staffs.
– Laser reception range up to 200 m for red lasers

Not suitable for green lasers.

Inclusive: universal mount, batteries, carrying case

ORDER NO.	EAN-CODE	PU
028.68A	4 021563 716784	1

HIGH SPEED | magnetic | AutoSound | IP 66 | 4x AAA | HARD

SensoLite G 210 set

max.
200 m

Laser receiver for green rotary lasers
– Fast alignment work in close and long distance
– Head magnet
– The universal mount enables the device
   to be attached to levelling staffs.
– Laser reception range up to 200 m for green lasers

Not suitable for red lasers.

Inclusive: universal mount, batteries, carrying case

ORDER NO.	EAN-CODE	PU
028.69A	4 021563 716791	1

HIGH SPEED | magnetic | AutoSound | IP 66 | 4x AAA | HARD

SensoLite 310 set

max.
300 m

Laser receiver for rotary lasers
– One LCD on the front and one on the rear
– Five-digit display, various acoustic melodies
   support the optical indicators
– Extremely loud piezo buzz tone possible
– Head and side magnets
– Laser reception range up to 300 m for red lasers
– 200 m for green lasers
– Extremely durable design

Inclusive: universal mount, battery

ORDER NO.	EAN-CODE	PU
028.71	4 021563 663262	1

Spotlite Marking | HIGH SPEED | magnetic | AutoSound | IP 66 | 9V

SensoLite 410 set

max.
400 m

**High-performance laser receiver with extremely
large receiving range for red and green rotary lasers**
– Extremely long laser reception range for
   quick laser acquisition at great distances
– LC displays on the front and rear.
   Acoustic signals show the height of the laser beam.
– Illuminated front LC display
– Extremely bright 3-colour LEDs are located at
   the front, rear and side for remote identification.
– Versus function: The receiver monitors the reference
   height of the rotary laser, thus effectively preventing
   false measurements. Visual and acoustic signals
   indicate when the laser beam moves out of the
   reference height, e.g. as the result of external
   influences acting on the rotary laser.
– Extremely loud piezo buzzing sound possible
– Strong head and side magnets
– Universal holder with circular bubble level
– Laser reception range up to 400 m

**Super bright signal LED:
High, Low, Target**

Inclusive: universal mount, battery

ORDER NO.	EAN-CODE	PU
	4 021563 677214	1

HIGH SPEED | magnetic | AutoSound | IP 67 | 9V

SensoMaster M350 set

max.
350 m

**Millimetre laser receiver for
red and green rotary lasers**
– 127 mm long laser receiver for quick laser acquisition
   over great distances
– Millimetre exact distance reading for laser level
– Height difference to laser level is shown graphically
   and numerically on the double-sided LC display
– Three bright LEDs on the front as well as an
   optional extremely loud piezo buzzer also
   indicate the distance to the laser level.
– Vertical and horizontal vial
– Robust housing with strong head and side magnets
– Laser reception range up to 350 m

DIGITAL
mm
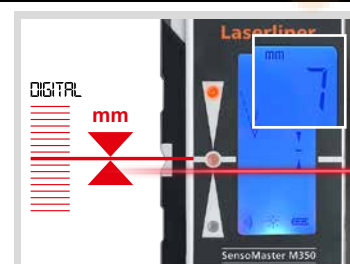
**Millimetre exact
distance reading for
laser level**

**Laser range up to
350 m**

Inclusive: universal mount, batteries

ORDER NO.	EAN-CODE	PU
028.85	4 021563 706815	1

HIGH SPEED | magnetic | AutoSound | IP 66 | 4x AA

Accessories

SensoPilot Pro

Machine laser receiver for construction machine control
– In combination with a rotary laser, the SensoPilot serves as a continuous guide for height control.
– Each of its four laser receiver units, which measure 25 cm in length, can receive the laser beam in a 360° radius.
– Large clearly visible LEDs show the laser's plane.
– Range 200 m
– Highly durable waterproof and dust-proof housing
– With powerful magnets to fasten the device to the machine

Not suitable for green lasers.
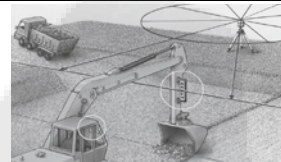
Inclusive: built-in battery, ower supply/battery charger incl. international adapter,
12/24 V battery cable, carrying case

ORDER NO.	EAN-CODE	PU
035.00A	4 021563 658787	1

magnetic | IP 66 | RECHARGE | HARD

Remote Display for SensoPilot

This remote display allows reference height to be monitored from the driver's seat of the construction machine.
– This is the ideal complement for the SensoPilot mobile laser receiver
– Very robust design with mounting socket
– Water and dust-proof housing

Inclusive: connection cable for SensoPilot

ORDER NO.	EAN-CODE	PU
035.01	4 021563 658800	1

Automatic levelling instruments

PRACTICAL UNIVERSAL DEVICES

Levelling instruments are used for special tasks on large building sites. They work like a precision telescope, with an artificial target line generated at a specified height – the horizontal reference. An automatic leveller automatically adjusts the target line in the horizontal plane.

Horizontal circle with endless vernier adjustment for precise targeting.

Practical, adjustable fold-up mirror for simple alignment with a circular spirit level.
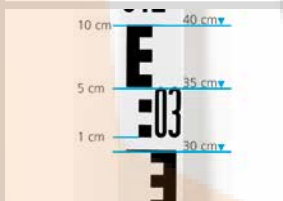
Long-distance scale with E graduation

The 165 cm tall, ball-head tripod allows an AL 26/32 to be aligned rapidly.

Measuring with level

To determine the height difference in the example shown here, the levelling staff is first set up at Point A. The optical system of the level has automatically aligned itself horizontally. With the help of the optical sight marking, it is now possible to read off the distance between Point A and the sight line shown in blue. The staff can now be positioned at any Point B, and the second measuring point read off through the sight.
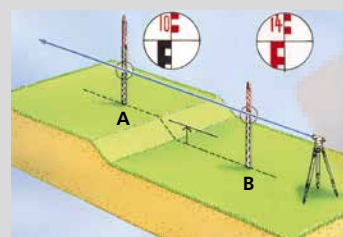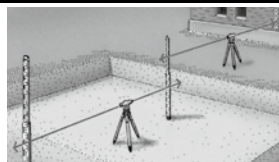
Calculation of height difference
Height A - Height B = Height difference H

Proven and tested optical measuring instruments

Automatic Optical Level 26 Plus

Robust, reliable levelling instrument with bright, high-performance lenses
– Practical quick target finder
– Air damped compensator
– Magnification 26 x
– Standard deviation 1.5 mm / km
– 360° horizontal circle, 400 gon on request
– The cross hair can be calibrated in all directions due to high quality 2 axis
– With transport securing device

Inclusive: AL 26, plumb bob, allen wrench, calibration needle, carrying case with strap

ORDER NO.	EAN-CODE	PU
080.84	4 021563 705283	1

Automatic Optical Level 26 Plus set

Levelling set with ball-head tripod 165 cm and telescopic levelling staff LT 5 m

Inclusive

Inclusive: AL 26, allen wrench, calibration needle, carrying case with strap, ball-head tripod 165 cm, telescopic levelling staff LT 5 m

ORDER NO.	EAN-CODE	PU
080.84-1	4 021563 705313	1

Automatic Optical Level 32 Plus

Robust, reliable levelling instrument with bright, high-performance lenses
– Practical quick target finder
– Air damped compensator
– Magnification 32 x
– Standard deviation 1 mm / km
– 360° horizontal circle, 400 gon on request
– The cross hair can be calibrated in all directions due to high quality 2 axis
– With transport securing device

Inclusive: AL 32, plumb bob, allen wrench, calibration needle, carrying case with strap

ORDER NO.	EAN-CODE	PU
080.85	4 021563 705290	1

Automatic Optical Level 32 Plus set

Levelling set with ball-head tripod 165 cm and telescopic levelling staff LT 5 m

Inclusive

Inclusive: AL 32, allen wrench, calibration needle, carrying case with strap, ball-head tripod 165 cm, telescopic levelling staff LT 5 m

ORDER NO.	EAN-CODE	PU
080.85-1	4 021563 705320	1

Accessories for laser and levelling devices
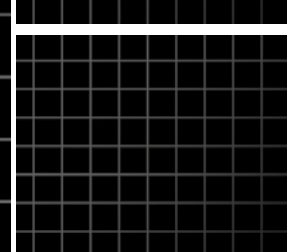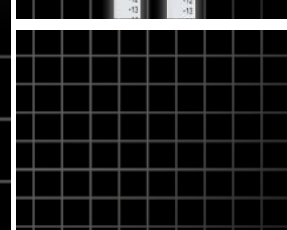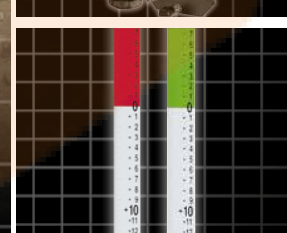
THE BASIS FOR RELIABLE WORK

To make full use of all the capabilities offered by a line- and rotation laser or automatic level, a tripod is necessary. Laserliner offers an extensive range of tripods, since different tasks call for different technical solutions. Wallmounts ease ceiling work.

Professional crank lift on the professional crank tripod

Easy mounting of measuring devices thanks to spring-loaded bevel gear

The seat for the instrument is milled and surface-ground

An all-round steel chain prevents the legs from spreading on smooth floors

Sturdy steel feet with rubber casing

Quick-release lock for equal extension of all legs

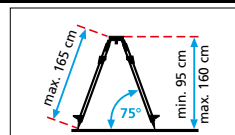Crank lift with mm graduation

Adjustable carrying strap

Tripods

Aluminium Lightweight Tripod 165 cm

Lightweight design with milled mounting surface
– 5/8" thread adapter
– Sturdy steel feet
– Quick-release lock

max. 165 cm / min. 95 cm / max. 160 cm / 75°

Inclusive: hook for plumb bob, carrying strap

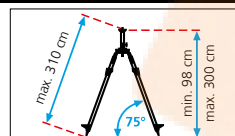| ORDER NO.	EAN-CODE	PU
080.00	4 011879 633967	1

5/8" | SOFT

VarioStand L 300 cm

High-quality aluminium tripod
– With adapter for mounting devices with 1/4" and 5/8" thread
– Extremely long crank lift (85 cm) allows a large range of adjustment.
– Special combination feet (rubber steel tips) facilitate adaptation to different surfaces
– Telescopic tripod legs

max. 310 cm / min. 98 cm / max. 300 cm / 75°

Inclusive: 1/4"- and 5/8"-adapter for mounting devices, softbag

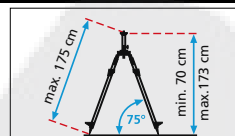| ORDER NO.	EAN-CODE	PU
080.24A	4 021563 706518	1

1/4" 5/8" | SOFT

Crank Tripod P 175 cm

Heavy design with integrated professional crank height adjustment
– 5/8" thread adapter
– Extremely long crank lift (97) allows a large range of adjustment.
– Crank can be fixed in place without any play.
– Special combination feet (rubber steel tips) facilitate adaptation to different surfaces
– Sturdy steel feet
– Steel chains

max. 175 cm / min. 70 cm / max.173 cm / 75°

Inclusive: carrying strap

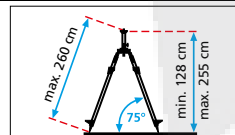| ORDER NO.	EAN-CODE	PU
080.26	4 021563 706464	1

5/8"

Crank Tripod P 260 cm

Heavy design with integrated professional crank height adjustment
– 5/8" thread adapter
– Extremely long crank lift (70 cm) allows a large range of adjustment.
– Crank can be fixed in place without any play.
– Special combination feet (rubber steel tips) facilitate adaptation to different surfaces
– Sturdy steel feet
– Steel chains

max. 260 cm / min. 128 cm / max. 255 cm / 75°

Inclusive: carrying strap

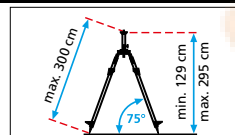| ORDER NO.	EAN-CODE	PU
080.35	4 011879 633462	1

5/8"

Crank Tripod P 300 cm

Heavy design with integrated professional crank height adjustment
– 5/8" thread adapter
– Suitable for windy conditions thanks to stability fitting
– Extremely long crank lift (60 + 60 cm) allows a large range of adjustment.
– Crank lift can be fixed and adjusted without play.
– Special combination feet (rubber steel tips) facilitate adaptation to different surfaces
– Sturdy steel feet

max. 300 cm / min. 129 cm / max. 295 cm / 75°

Inclusive: carrying strap

ORDER NO.	EAN-CODE	PU
080.39	4 021563 694075	1

5/8"

TelePod Plus 330 cm

High-quality aluminium telescopic stand, ideal for quick changes in applications where working positions vary
– 1/4" thread adapter
– The stand is clamped between floor and ceiling then the laser measuring tool is turned manually to set it to the correct height ready for operation.
– Clamping bracket with fine adjustment
– 5-piece design for easy transport
– Height approx. 330 cm

UNLIMITED MOVE

Inclusive: clamp bracket, softbag

ORDER NO.	EAN-CODE	PU
090.122A	4 021563 710508	4

1/4" | SOFT

Fasteners

FlexClamp Plus

Universal clamping bracket
– Easy-to-adjust clamping bracket with base support
– Versatile damage free mounting options for surfaces
– Easy-to-adjust height and position
  of the measuring device
– Practical base

For all laser measuring devices with 1/4" threads.

max. 57 mm

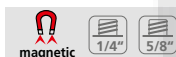| ORDER NO.	EAN-CODE	PU
090.135A	4 021563 703456	5

1/4"

Tripod Mount

Tripod mount
– For securing 5/8" thread tripods
– For use on walls and magnetic objects

For all laser measuring devices with 1/4" threads.

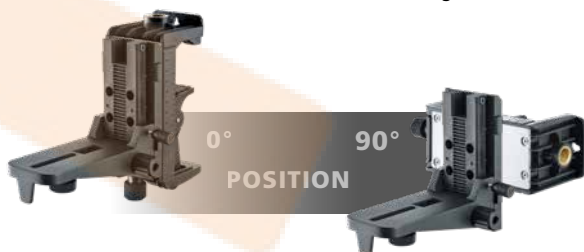| ORDER NO.	EAN-CODE	PU
036.26	4 021563 692934	1

magnetic 1/4" 5/8"

CrossGrip Pro

Magnetic clamp and wall bracket – versatile use
– Can be used individually or in combination –
  on walls and magnetic objects

For all laser measuring devices with 1/4" threads.

0° 90° POSITION

max. 74 mm

ORDER NO.	EAN-CODE	PU
036.24	4 021563 706242	1

magnetic 1/4"

CenterBase 2

CenterBase 2
Alignment base for SuperPlane-Laser 3D Pro / 3G Pro
– Stable metal base with vernier adjustment
– The free-moving alignment base allows the floor
  or ceiling cross to be positioned exactly,
  even when the unit is mounted on a tripod.
– Adjustable feet and circular bubble level
  for optimum setup.

ORDER NO.	EAN-CODE	PU
036.31	4 021563 703999	1

5/8"

Fasteners and levelling staffs

Wall Mount Pro

For Laserliner rotary- and linelasers
– With positioning wheel for precise height
  adjustment, clamp holder for attachment
  to structural elements.

For all laser measuring devices with 5/8" threads.

ORDER NO.	EAN-CODE	PU
080.71	4 021563 658817	1

5/8"

Angle Bracket 5/8"

Professional design with angle scale
– Tripod adapter for aligning inclines

For all laser measuring devices with 5/8" threads.

ORDER NO.	EAN-CODE	PU
080.75	4 021563 662821	1

5/8"

Flexi Levelling Staff Plus red / green

For all measurement of floor height
– Reference height approx. 80-190 cm ± 50 cm
  measurement range, max. length approx. 240 cm
– Height difference can be read off directly with
  no calculation necessary
– Unmatched by any normal levelling staff

FlexiSlider
– Optimum positioning aid for laser receiver
  at Flexi levelling staff Plus
– Smooth slider for quick and easy use
– With quick-action clamp

Flexi levelling staff Plus red
– Ideal for red lasers

Flexi levelling staff Plus green
– Ideal for green lasers

Inclusive: FlexiSlider

UNLIMITED MOVE

	ORDER NO.	EAN-CODE	PU
red	080.50	4 011879 631147	1
green	080.51	4 021563 664948	1

## Telescopic Levelling Staff LT 4 m / 5 m

Easily legible, highly stable levelling staffs for use even under extreme conditions
– Made of strong aluminium section
– For optical levels and rotary lasers
– Telescopic Levelling Staff 4 m: max. height 4 m,
  min. height 1.19 m
– Telescopic Levelling Staff 5 m: max. height 5 m,
  min. height 1.22 m

	ORDER NO.	EAN-CODE	PU
4 m	080.42	4 021563 694112	1
5 m	080.43	4 021563 694129	1

Laserliner Store
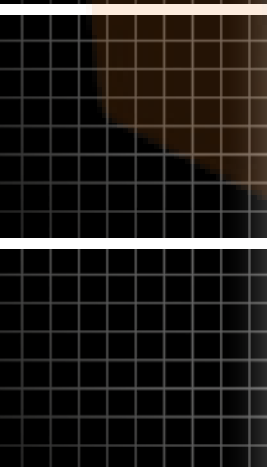
Brand shop

PersonalCable

USB multi-cable 3 in 1 for connecting < battery-operated devices
– USB cable for connecting to computer or USB power pack
– USB 2.0 Type A > Micro-USB / USB Type C / lightning connection
– Sturdy nylon braid

1,5 m

Inclusive: PersonalCable

ORDER NO.	EAN-CODE	PU
020.120A	4 021563 705269	1

Laserpointer Business Green

Modern business presentation aid for pointing in bright environments
– Green laser point
– Black metal housing with soft-grip surface
– Laser class 2 < 1mW
– Range 100 m

Inclusive: Laserpointer Green, metal box, batteries

ORDER NO.	EAN-CODE	PU
020.100A	4 021563 665365	1

Laser 515 nm | 2 | 2x AAA | HARD

Laserliner Polo-shirt / T-shirt

...01 / Polo-shirt: Long sleeve, black
– Printed on one side
– 100% heavy-duty cotton

...03 / T-shirt: Short sleeve, black
– Printed on one side
– 100% heavy-duty cotton

	ORDER NO.	EAN-CODE	PU
	...01 / ...03	4 021563......	
Size M	020.83...M	...665068 /...666300	1
Size L	020.83...L	...665075 /...665679	1
Size XL	020.83...XL	...665082 /...665686	1
Size XXL	020.83...XXL	...665099 /...665693	1

Laserliner BusinessShirt

Comfortable shirt
– Long sleeve, black
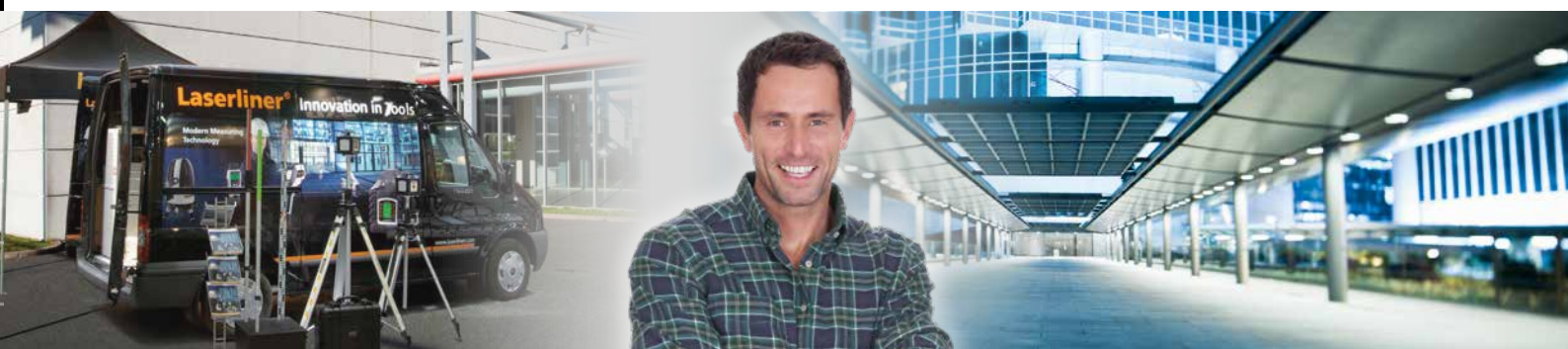– Fitted waist with logo print
– With breast pocket
– 100% cotton

	ORDER NO.	EAN-CODE	PU
Size M	020.83.05M	4 021563 688753	1
Size L	020.83.05L	4 021563 688760	1
Size XL	020.83.05XL	4 021563 688784	1
Size XXL	020.83.05XXL	4 021563 688791	1

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