2024

CONDTROL

REFERENCE MEASURE

20 CONDTROL anniversary

www.condtrol.com

20 CONDTROL anniversary

CONDTROL was established in 2003, its main activity was development of non-destructive testing instruments and construction lasers. OEM/ODM production was a core business, while key partners were private labels from Austria, the USA, Germany, Belgium, Australia and France. Over the course of time, the company created a whole range of innovative products and presented them under its own CONDTROL brand.

Products developed in CONDTROL's R&D center represent original technical solutions and designs. They always come with added value and have no analogues on the market!

CONDTROL contract manufacturing is located at leading EMS factories all over Asia.

21 COUNTRIES where the products are sold

40+ OEM PROJECTS Germany, Belgium, Italy, Austria, Netherlands, USA, Australia

45 PATENTS Europe, US and China

60 EXPERTS

100+ PROJECTS

4000+ RETAIL OUTLETS

1500000+ HAPPY CUSTOMERS

COMPANY MISSION

ABOUT US

FOR MORE THAN 20 YEARS CONDTROL HAS BEEN DEVELOPING MEASURING INSTRUMENT THAT SET THE TRENDS FOR THE INDUSTRY.

OUR CUSTOMERS turn demanding and responsible work into exciting hobby.

OUR PARTNERS know us as a reliable supplier focused on long-term cooperation. We provide projected profit and stable business development.

CORPORATE VALUES

PURSUIT OF EXCELLENCE. Every year we invest in new products development and laser measuring technology research. By this time, CONDTROL has more than 45 patents for unique engineering solutions. Unlike the competition, our "Novelty rate" is the highest in laser measuring instrument market.

RESPONSIBILITY. We carry out multi-level tests of all products, as well as quality control at each stage of production. All CONDTROL devices go through the required certification process.

RELIABILITY. We are assured of our products reliability and provide 3-year warranty for all professional devices.

CLIENT CENTRICITY. As a great support for our partners, we are developing CONDTROL learning platforms for sales personnel. Moreover, we are enlarging a network of service centers for more convenience of our customers.

OPENNESS. We are open to dialogue. At all times we remain honest with our customers, partners and employees. If you have a question, complaint or suggestion, please contact us by feedback@condtrol.com and we will help you!

ABOUT US

WARRANTY AND SERVICE

Accuracy and reliability are top priorities for CONDTROL. To prove the quality of our instruments, we provide our customers with 24-month warranty for all equipment.

2 WARRANTY YEAR

For tools that belong to the professional range we offer an opportunity to extend the warranty period by an additional year. Just sign up on our website in a few clicks! Register your tool within 4 weeks of the date of purchase and get an extended warranty. This warranty doesn't cover batteries and accessories.

2+1* WARRANTY YEAR

In case of a warranty claim, your instrument will be fixed at CONDTROL service centre for free. Our engineers will repair it in the shortest period of time or replace it with a new one. Moreover, we provide our customers with excellent post-warranty service support.

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APPS CONDTROL

Smart Measure

Smart Measure is a convenient app for easy on-site work – just connect laser distance meter to your smartphone. You can take a picture and make photo sketch, draw plans, make calculations and share your data via messengers or by email.

XLiner Remote

XLiner Remote enables you to control line lasers via Bluetooth from your smartphone. Using the app, you can operate your instrument remotely: switch on laser planes combinations, activate pulse mode, adjust laser brightness and monitor the battery level.

Roto Remote

Roto Remote allows to operate CONDTROL Bluetooth-enabled rotary lasers via a smartphone or a tablet.
Unlike the IR remote, the installed Roto Remote app and the Bluetooth module make it possible to control the line laser remotely at a distance of up to 100 m. Graphical interface of the app allows you to get feedback when working with the device.
These are the only rotary levels on the market that have such a useful and practical innovation that significantly expands the functionality.

Itronix CONDTROL

This app turns your smartphone into a digital inclinometer. The app processes camera image and measures the inclination of horizontal and vertical planes. There are several units of measurements (m/ft/in). Also measurements can be converted into percents or degrees.

APPLICATION AREA

	LASER DISTANCE METER 8-22	LINE LASER 23-40	ROTARY LASER 41-51	SURVEYING EQUIPMENT 52-54	MEASURING WHEEL 54	INFRARED THERMOMETER 56-59	THERMAL IMAGER 60-64	WALL SCANNER 65	COATING THICKNESS GAUGE 66	CONCRETE STRENGTH TESTER 67-68	MOISTURE METER 69-71
REAL ESTATE AGENT — Measurement of sizes and areas.	•										
ARCHITECT — Measurement of room dimensions and comparison of the results to a plan.	•	•	•	•	•			•			
SURVEYOR — Layout measurement.	•			•	•						
ELECTRICIAN — Cable and ventilation channels, socket and service panels installation.	•	•				•	•	•			
BUILDER — Cladding, plastering, insulation of external surfaces. Leveling of surface and laying foundations. General construction works. Stonemasonry.	•	•	•	•	•	•	•	•	•	•	•
PLASTERER, PAINTER — Painting work, wallpapering, plastering.	•	•	•						•		•
CARPENTER, ROOFER — Wooden panels, cutting of bars, butt joint. Half-timbered frame wall.	•	•	•								•
DRYWALL INSTALLER — Installation of gypsums and dropped ceilings.	•	•	•					•			•
PLUMBER — Installation of air conditioning on the dropped ceiling. Installation of ductwork, heating radiators, water pipes.	•										•
STAIRCASE INSTALLER — Tilt leveling. Flooring and edging of stair ledges. Stair installation.	•	•									
TILER — Tile calculation. Tile flooring. Wall covering with tiles.	•	•	•			•					•
STONEMASON — Windows, gates. Reinforced concrete floors. Reinforced concrete structures, metal profiles. Cladding.	•	•	•							•	•
FACADE WORKER — Facade works.	•	•	•							•	
INTERIOR DESIGNER — Interior finishing.	•										
PANEL HOUSE ASSEMBLER — Construction of panel houses, tracing, measurement and control.	•	•									
CARPENTER — Window frames, wooden spans. Laminate, parquet. Racks, ladders, guides.	•										•
KITCHEN CABINET MANUFACTURER — Shelves, cabinets, surfaces, leveling.	•	•	•								•
LANDSCAPE DESIGNER — Landscape architecture. Drainage, sanation Installation of fences, poles,curbs and other constructions. Excavation, pavage.	•	•	•	•	•	•	•		•		
GLAZIER — Glass partitions, windows, openings.	•										

Smart Measure – A MODERN MOBILE APP

Smart Measure is a free app that gives more opportunities to use Bluetooth-enabled CONDTROL laser distance meters.

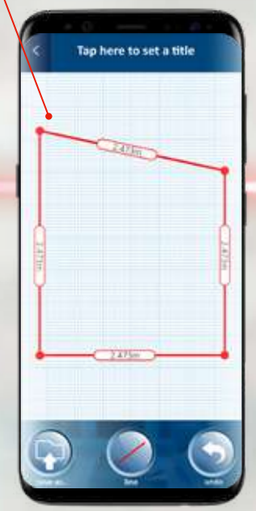
An overview of the main advantages of the CONDTROL Smart Measure app:
- Store unlimited number of measurements in smartphone memory, group and name them;
- Mark dimensions of objects, premises, decor and furniture right in the photos and leave comments. This feature will be highly appreciated by architects, designers and decorators;
- Draw plans of premises with a dimensional grid;
- Save and export files. It simplifies work of builders, designers and furniture manufacturers.

A distinctive feature of CONDTROL Smart Measure is its computing functions. Thanks to this app, laser distance meter functionality gets expanded and it becomes possible to calculate wall surface and make indirect measurements.

Download the app from App Store and Google Play.

FOUR OPERATING MODES: PLAN DRAWING, PHOTO SKETCHES, INDIRECT MEASUREMENTS AND CALCULATIONS THAT ARE STORED IN YOUR SMARTPHONE.

DRAW PLANS AND ADD MEASUREMENTS.



INDIRECT MEASUREMENTS: AREA, VOLUME, WALL SURFACE AND PYTHAGORAS.

MAKE PHOTO SKETCHES – IT IS A GREAT FEATURE FOR TAKING MEASUREMENTS OF AN EMPTY ROOM AS WELL AS FOR THE INTERIOR DECORATING.

LASER DISTANCE METERS

SPECIFICATIONS

TECHNICAL CHARACTERISTICS	Traccer 30	SMART 40	SMART 60	Vector 60	Vector 80	Vector 100	XP4	XP3 GREEN	XP5	Vector 150	Vector 200
ACCURACY	±3 mm	±1,5 mm	±1,5 mm	±1,5 mm	±1,5 mm	±1,5 mm	±1,5 mm	±1,5 mm	±1,5 mm	±1,0 mm	±1,0 mm
MEMORY				•	•	•	•	•	•	•	•
CALCULATION OF AREA AND VOLUME	•	•	•	•	•	•	•	•	•	•	•
IP54 RATE	•	•	•	•	•	•	•	•	•	•	•
TRACKING	•	•	•	•	•	•	•	•	•	•	•
ADDITION, SUBTRACTION			•	•	•	•	•	•	•	•	•
END-PIECE				•	•	•	•	•	•	•	•
WALL SURFACE					•	•	•	•	•	•	•
TIMER						•	•	•	•	•	•
MIN/MAX		•	•	•	•	•	•	•	•	•	•
ANGLE MEASURING RANGE					•	•	•	•	•	•	•
DIMENSIONS OF TILTED OBJECTS										•	•
HEIGHT MEASUREMENT									•	•	•
ROOF PITCH AND LENGTH MEASUREMENT										•	•
PYTHAGORAS FUNCTION	•	•	•	•	•	•	•	•	•	•	•
POINT-TO-POINT					•	•		•	•	•	•
STAKE OUT							•	•	•	•	•
CALCULATION OF DIMENSIONS AND AREA OF AN OBJECT FROM A PHOTO										•	•
DIGITAL VIAL						•	•		•	•	•
CAMERA							•		•	•	•
TOUCH SCREEN DISPLAY											•
BLUETOOTH				•	•	•	•	•	•	•	•
BATTERY	Li-Ion	2xAAA	2xAAA	Li-Ion	Li-Ion	Li-Ion	Ni-MH	Ni-MH	Ni-MH	Li-Ion	Li-Ion
	30 m	40 m	60 m	60 m	80 m	100 m	100 m	120 m	150 m	150 m	200 m

Traccer 30 | SMART 40 | SMART 60 | Vector 60 | Vector 80

Vector 100 | XP4 | XP3 GREEN | XP5 | Vector 150 | Vector 200

OUTDOOR MEASUREMENTS

NO

YES

DIGITAL INCLINOMETER

NO

YES

BLUETOOTH

YES

2 WARRANTY YEAR

30 m | 3 mm | Li-Ion

TECHNICAL CHARACTERISTICS	
Working range	0,03…30 m
Accuracy	±3 mm
Distance, area and volume	•
Tracking	•
Pythagoras function	•
Laser type	Class II, 650 nm <1 mW
Power supply	3,7V 200 mAh Li-Ion rechargeable battery
Dimensions	75x35x18 mm
Weight	35 g

DELIVERY PACKAGE	Traccer 30
Item nr.	1-001-003
Laser Traccer 30	•
USB Type-C cable	•
Pouch	•

SMART 40

2 WARRANTY YEAR

40 m | 1.5 mm

TECHNICAL CHARACTERISTICS	
Working range	0,05...40 m
Accuracy	±1,5 mm
Distance, area and volume	•
Min/Max Tracking	•
Pythagoras function	•
Laser type	Class II, 635 nm <1 mW
Power supply	2x1,5 V AAA LR03
Dust and water protection	IP54
Dimensions	105x47x27 mm
Weight	83 g

DELIVERY PACKAGE	SMART 40
Item nr.	1-4-097
Laser SMART 40	•
Batteries	•
Pouch	•
Hand strap	•

SMART 60

2 WARRANTY YEAR

60 m | 1.5 mm | +/-

TECHNICAL CHARACTERISTICS	
Working range	0,05...60 m
Accuracy	±1,5 mm
Distance, area and volume	•
Min/Max Tracking	•
Addition/subtraction	•
Pythagoras function	•
Laser type	Class II, 650 nm <1 mW
Power supply	2x1,5 V AAA LR03
Dust and water protection	IP54
Dimensions	105x47x27 mm
Weight	83 g

DELIVERY PACKAGE	SMART 60
Item nr.	1-4-098
Laser SMART 60	•
Batteries	•
Pouch	•
Hand strap	•

Vector 60 / Vector 80

PRO

2+1* WARRANTY YEAR

80 m | 1.5 mm

TECHNICAL CHARACTERISTICS	Vector 60	Vector 80
Working range	0,05...60 m	0,05...80 m
Accuracy	±1,5 mm	±1,5 mm
Distance, area and volume	•	•
Min/Max Tracking	•	•
Addition/subtraction	•	•
Point-to-Point		•
Pythagoras function	•	•
End-piece	•	•
Wall surface		•
Angle measuring range		•
Bluetooth	•	•
Memory	•	•
Laser type	Class II, 635 nm <1 mW	
Power supply	3,7 V 850 mAh Li-Ion rechargeable battery	
Dust and water protection	IP54	
Dimensions	119x46x28 mm	
Weight	100 g	

DELIVERY PACKAGE	Vector 60	Vector 80
Item nr.	1-4-104	1-4-099
Laser	•	•
USB Type-C cable	•	•
Pouch	•	•
Hand strap	•	•

POINT-TO-POINT

Vector 100

PRO

2+1* WARRANTY YEAR

100 m | 1.5 mm | 1/4"

TECHNICAL CHARACTERISTICS	
Working range	0,05...100 m
Accuracy	±1,5 mm
Distance, area and volume	•
Min/Max Tracking	•
Addition/subtraction	•
Point-to-Point	•
Pythagoras function	•
End-piece	•
Wall surface	•
Angle measuring range	•
Timer	•
Digital vial	•
Bluetooth	•
Memory	•
Laser type	Class II, 635 nm <1 mW
Power supply	3,7 V 850 mAh Li-Ion rechargeable battery
Dust and water protection	IP54
Dimensions	119x46x28 mm
Weight	100 g

DELIVERY PACKAGE	Vector 100
Item nr.	1-4-100
Laser Vector 100	•
USB Type-C cable	•
Pouch	•
Hand strap	•

XP3 GREEN

PRO

GREEN LASER

NI-MH RECHARGEABLE BATTERY TYPE-C CONNECTOR

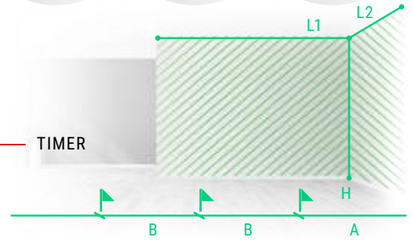
END-PIECE

WALL SURFACE

POINT-TO-POINT

STAKE OUT

TIMER



INTERNAL MEMORY

MORE OPTIONS WITH SMART MEASURE APP

4x BRIGHTER

2+1* WARRANTY YEAR

120m | 1.5mm | 1/4"

TECHNICAL CHARACTERISTICS	XP3 GREEN
Working range	0,05...120 m
Accuracy	±1,5 mm
Distance, area and volume	•
Min/Max Tracking	•
Addition/subtraction	•
Point-to-Point	•
Pythagoras function	•
End-piece	•
Stake out	•
Wall surface	•
Angle measuring range	•
Timer	•
Bluetooth	•
Memory	•
Laser type	Class II, 520 nm <1 mW
Power supply	3x1,2 V 800 mAh Ni-MH rechargeable battery
Dust and water protection	IP54
Dimensions	136x59x28 mm
Weight	170 g

DELIVERY PACKAGE	XP3 GREEN
Item nr.	1-4-084
Laser	•
Batteries	•
USB Type-C cable	•
Pouch	•
Hand strap	•

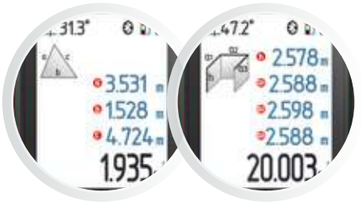
XP4 / XP5

PRO

COLOUR LCD

TRIANGLE AREA

WALL SURFACE



CIRCLE AREA

CYLINDER VOLUME

END-PIECE

ADVANCED OPTICS

POINT-TO-POINT

TIMER

INTERNAL MEMORY

DIGITAL VIAL

MORE OPTIONS WITH SMART MEASURE APP

2+1* WARRANTY YEAR

150m | 1.5mm | 1/4"

TECHNICAL CHARACTERISTICS	XP4	XP5
Working range	0,05...150 m	0,05...150 m
Accuracy	±1,5 mm	±1,5 mm
Distance, area and volume	•	•
Min/Max Tracking	•	•
Addition/subtraction	•	•
Point-to-Point		•
Pythagoras function	•	•
End-piece	•	•
Stake out	•	
Wall surface	•	•
Triangle area / Trapezium area	•	•
Circle area		•
Cylinder volume		•
Angle measuring range	•	•
Timer	•	•
Digital vial	•	•
Bluetooth	•	•
Camera	•	•
Memory	•	•
Laser type	Class II, 635 nm <1 mW	
Power supply	3x1,2 V 800 mAh Ni-MH rechargeable battery	
Dust and water protection	IP54	
Dimensions	136x59x28 mm	
Weight	170 g	

DIGITAL VIEWFINDER WITH 8X ZOOM

DELIVERY PACKAGE	XP4	XP5
Item nr.	1-4-073	1-4-123
Laser	•	•
Batteries	•	•
USB Type-C cable	•	•
Pouch	•	•
Hand strap	•	•

XP4

XP5

Vector 150

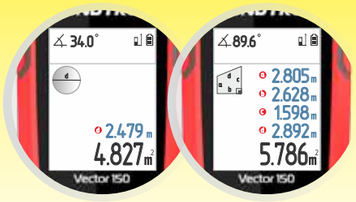
INNOVATION

LASER DISTANCE METERS

ROTATING COLOUR DISPLAY

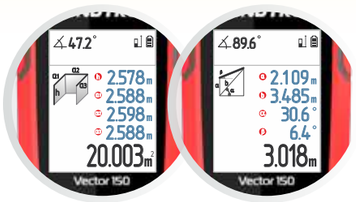
CIRCLE AREA

TRAPEZOID AREA



WALL SURFACE

CALCULATION
OF ROOF PITCH AND LENGTH



MORE OPTIONS
WITH SMART MEASURE APP

ADVANCED OPTICS
DIGITAL VIEWFINDER WITH 8X ZOOM

CALCULATION OF DIMENSIONS
AND AREA OF AN OBJECT
FROM A PHOTO

AUTOMATIC END-PIECE
DETERMINTATION

2+1* WARRANTY YEAR

TECHNICAL CHARACTERISTICS	Vector 150
Working range	0,05...150 m
Accuracy	±1,0 mm
Inclinometer	Roof pitch and length, horizontal and vertical distance
3D sensor	Point-to-Point
Object dimensions by taking photo	•
Measuring modes	single, continuous, max/min
Area	Square, triangle, circle, trapezium
Volume	Cube, cylinder, cone
Extra functions	Wall surface, Pythagoras function, stake out
Automatic End-piece recognition	•
Memory	100 values
Bluetooth	BLE 5.0
Camera	1,3 MP
Display	240*320 IPS
Laser type	Class II, 635 nm <1 mW
Power supply	3,7 V 2500 mAh Li-Ion rechargeable battery
Dust and water protection	IP54
Dimensions / Weight	162x64x32 mm / 220 g

DELIVERY PACKAGE	Vector 150
Item nr.	1-4-121
Laser	•
USB Type-C cable	•
Pouch	•
Hand strap	•

Vector 200

INNOVATION

LASER DISTANCE METERS

TOUCH SCREEN DISPLAY

CYLINDER VOLUME

CONE VOLUME

DIMENSIONS
OF TILTED OBJECTS

HEIGHT MEASUREMENT

MORE OPTIONS
WITH SMART MEASURE APP

POINT-TO-POINT

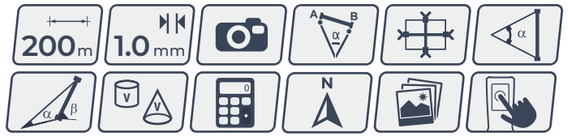
CALCULATION OF DIMENSIONS
AND AREA OF AN OBJECT
FROM A PHOTO

COMPASS

PHOTO GALLERY

CALCULATOR

2+1* WARRANTY YEAR



TECHNICAL CHARACTERISTICS	Vector 200
Working range	0,05...150 m
Accuracy	±1,0 mm
Inclinometer	Roof pitch and length, horizontal and vertical distance
3D sensor	Point-to-Point
Object dimensions by taking photo	•
Measuring modes	single, continuous, max/min
Area	Square, triangle, circle, trapezium
Volume	Cube, cylinder, cone
Extra functions	Wall surface, Pythagoras function, stake out
Automatic End-piece recognition	•
Memory	16 Gb SD card
Compas	•
Bluetooth	BLE 5.0
Camera	1,3 MP
Display	480*800 IPS + touch screen
Laser type	Class II, 635 nm <1 mW
Power supply	3,7 V 2500 mAh Li-Ion rechargeable battery
Dust and water protection	IP54
Dimensions / Weight	162x64x32 mm / 220 g

DELIVERY PACKAGE	Vector 200
Item nr.	1-4-122
Laser	•
USB Type-C cable	•
Pouch	•
Hand strap	•

Vector 600 / Vector 1500

PRO

2+1* WARRANTY YEAR

Vector 600

600 m | 1.0 m | 6x | SPEED | 1/4"

Vector 1500

1500 m | 1.0 m | 6x | SPEED | α | 1/4"

TECHNICAL CHARACTERISTICS	Vector 600	Vector 1500
Working range	5...600 m	5...1500 m
Accuracy	±1 m	
Angle measuring range		•
"Fog" mode	•	•
Calculation of vertical distance		•
Speed measurement range	0 - 300 km/h	
Speed measurement accuracy	±5 km/h	
Angle measurement accuracy		± 60°
Magnification	6x	
Eyepiece caliber	16 mm	
Exit pupil caliber	3,8 mm	
Laser type	Class I, 905 nm <1 mW	
Power supply	2x1,5V AAA	
Dust and water protection	IP54	
Dimensions	105x82x43 mm	
Weight	172 g	

DELIVERY PACKAGE	Vector 600	Vector 1500
Item nr.	1-4-101	1-4-102
Laser	•	•
Batteries	•	•
Pouch	•	•
Hand strap	•	•

XLiner Remote - A MODERN MOBILE APP

XLiner Remote is a free app that allows to operate Bluetooth-enabled CONDTROL line lasers via smartphone or tablet.

Xliner Remote app allows you to do the following:
- select operation mode (switching on/off) of laser emitters, adjust the combination of required planes;
- activate pulse mode for working with receiver;
- adjust laser power to save the battery;
- monitor the battery level.

Remote control of a line laser is an absolute innovation that only CONDTROL instruments possess.

Download the app from App Store and Google Play.

USER-FRIENDLY INTERFACE

SWITCHING ON/OFF OF THE LASER EMITTERS
PULSE MODE ACTIVATION

BATTERY LEVEL CONTROL

ADJUSTMENT OF THE LASER BRIGHTNESS

360° PLANE

NO

LASER PLUMB

NO

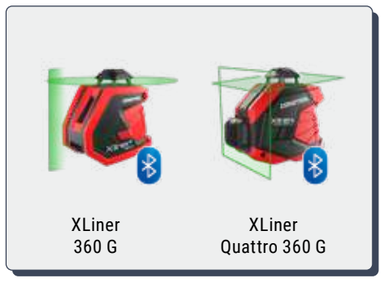
YES

360° PLANE

YES

LASER PLUMB

NO



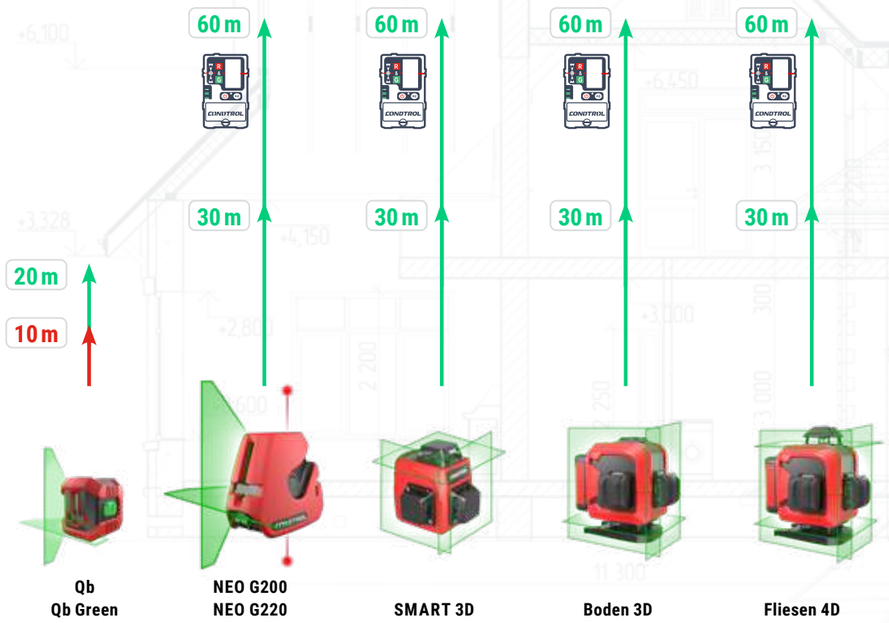
BLUETOOTH

YES

YES

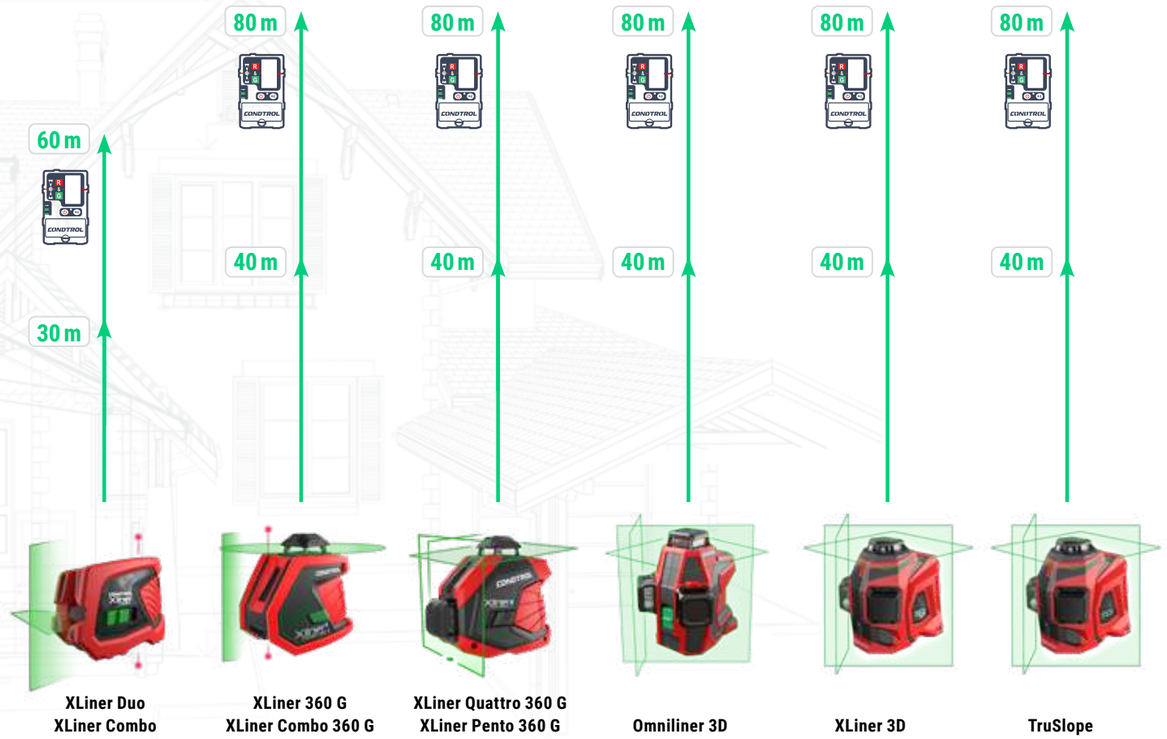
BLUETOOTH

YES



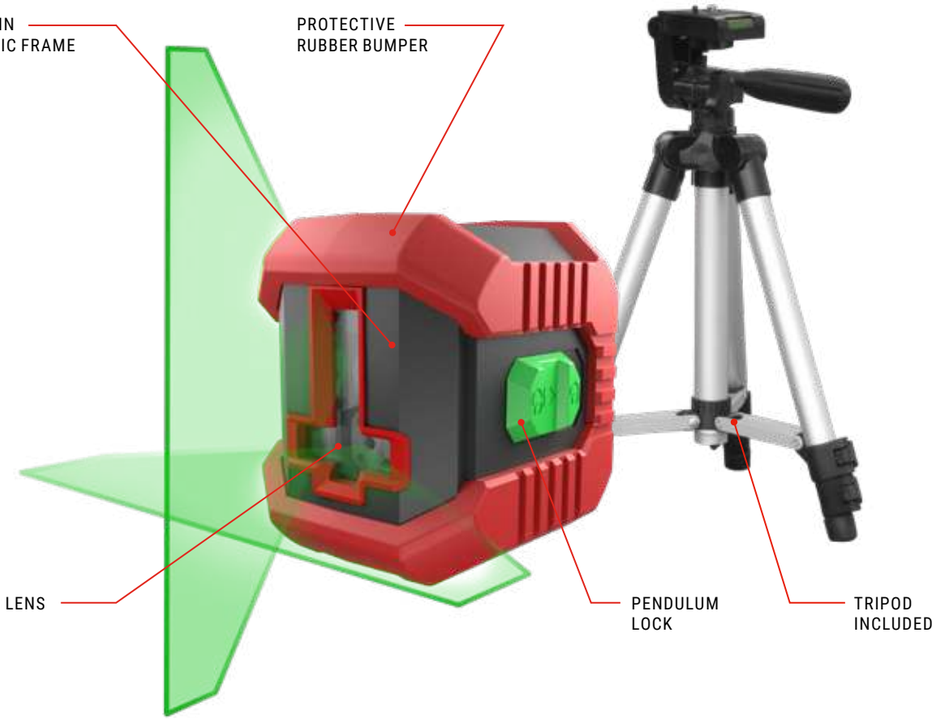
TECHNICAL CHARACTERISTICS

	Qb Qb Green	NEO G200 NEO G220	SMART 3D	Boden 3D	Fliesen 4D
ACCURACY	± 0,5 mm/m	± 0,3 mm/m	± 0,3 mm/m	± 0,3 mm/m	± 0,3 mm/m
SELF-LEVELLING	±5°	±4,5°	±4°	±3°	±3°
CONTINUOUS OPERATING TIME	8 h	4,5 h	>8 h	>8 h	>8 h
DUST AND WATER PROTECTION	IP54	IP54	IP54	IP54	IP54
TRIPOD THREAD	1/4''	5/8''	1/4''	1/4'' and 5/8''	1/4'' and 5/8'''
LASER PLUMB		•			
TILT SENSOR					
BLUETOOTH					
Li-Ion BATTERY			•	•	•
LASER SOURCE	2x635 nm / 2x520 nm	2x520 nm / 2x520 nm 1x635 nm	3x520 nm	3x515 nm	4x515 nm
PROJECTION OF INCLINED LASER PLANE	•	•	•	•	•
NUMBER OF LASER BEAMS	1H 1V	1H 1V	1H 2V	1H 2V	2H 2V
360° PLANE			3x360°	3x360°	4x360°



	XLiner Duo XLiner Combo	XLiner 360 G XLiner Combo 360 G	XLiner Quattro 360 G XLiner Pento 360 G	Omniliner 3D	XLiner 3D	TruSlope
ACCURACY	± 0,3 mm/m	±0,2 mm/m	±0,2 mm/m	±0,2 mm/m	±0,2 mm/m	±0,2 mm/m
SELF-LEVELLING	±4°	±3,5°	±3,5°	±4°	±4°	±4°
CONTINUOUS OPERATING TIME	4 ч	>8 h	>8 h	>5 h	>8 h	>8 h
DUST AND WATER PROTECTION	IP54	IP54	IP54	IP65	IP65	IP65
TRIPOD THREAD	1/4''	1/4'' and 5/8''	1/4'' and 5/8''	1/4'' and 5/8''	5/8''	5/8''
LASER PLUMB	•	•	•	•	•	•
TILT SENSOR						•
BLUETOOTH		•	•	•	•	•
Li-Ion BATTERY			•	•	•	•
LASER SOURCE	2x520 nm / 2x520 nm 1x635 nm	2x520 nm / 2x520 nm	2x515 nm / 3x515 nm	3x520 nm	3x520 nm	3x520 nm
PROJECTION OF INCLINED LASER PLANE	•	•	•	•	•	•
NUMBER OF LASER BEAMS	1H 1V	1H 1V	1H 1V / 1H 2V	1H 2V	1H 2V	1H 2V
360° PLANE		1x360°	2x360°	3x360°	3x360°	3x360°

Qb Set / Qb Green Set



88% 22% 4x BRIGHTER

2 WARRANTY YEAR

20m | 0.5 mm/m | 5.0° | IP54 | 1/4"

TECHNICAL CHARACTERISTICS	Qb Set	Qb Green Set
Working range	10 m	20 m
Accuracy	±0,5 mm/m	
Self-levelling	± 5°	
Dust and water protection	IP 54	
Tripod thread	1/4''	
Laser type	Class II, < 1 mW 635 nm	520 nm
Power supply	2x1,5 V AAA LR6	
Dimensions	65x57x67 mm	
Weight	175 g	

DELIVERY PACKAGE	Qb Set	Qb Green Set
Item nr.	1-2-121	1-2-438
Laser	•	•
Batteries	•	•
Tripod	•	•

Qb Set

Qb Green Set

NEO G200 / NEO G220

PATENT

88% 22% 4x BRIGHTER

2 WARRANTY YEAR

30m | 60m | 0.3 mm/m | 4.5° | 5/8"

TECHNICAL CHARACTERISTICS	
Working range / with receiver	30 m / 60 m
Accuracy	±0,3 mm/m
Self-levelling	± 4,5°
Dust and water protection	IP54
Tripod thread	5/8''
Laser type	Class II, 520 nm < 1 mW
Power supply	3x1,5 V AA LR6
Dimensions	120x75x105 mm
Weight	500 g

NEO G220 Set

DELIVERY PACKAGE	NEO G200	NEO G220 Set	NEO G220 Kit
Item nr.	1-2-126	1-2-137	1-2-401
Laser	•	•	•
Batteries	•	•	•
Tripod 5/8''		•	
Magnetic holder	•	•	•
Adapter 5/8'' - 1/4''	•	•	•
Cable tie	•	•	•
Magnetic target			•
WallMount Pro			•
Laser glasses			•
Pouch	•		
Plastic case		•	•

NEO G220 Kit

NEO G200

NEO G220

Boden 3D

88% 22% 4x BRIGHTER | 2+1* WARRANTY YEAR

30m | 60m | 0.3 mm/m | 3.0° | 1/4" 5/8" | Li-Ion

ADJUSTABLE HEIGHT 30-90 mm

TECHNICAL CHARACTERISTICS	
Working range / with receiver	30 m/60 m
Accuracy	±0,3 mm/m
Self-levelling	± 3°
Dust and water protection	IP54
Tripod thread	1/4'', 5/8''
Laser type	Class II, 515 nm < 1 mW
Power supply	3,7 V 4000 mAh Li-Ion rechargeable battery
Dimensions	147x91x136 mm
Weight	728 g

DELIVERY PACKAGE	Boden 3D
Item nr.	1-002-001
Laser Boden 3D	•
Li-Ion battery 2 pcs.	•
Charger	•
Lifting platform	•
Pouch	•

Fliesen 4D

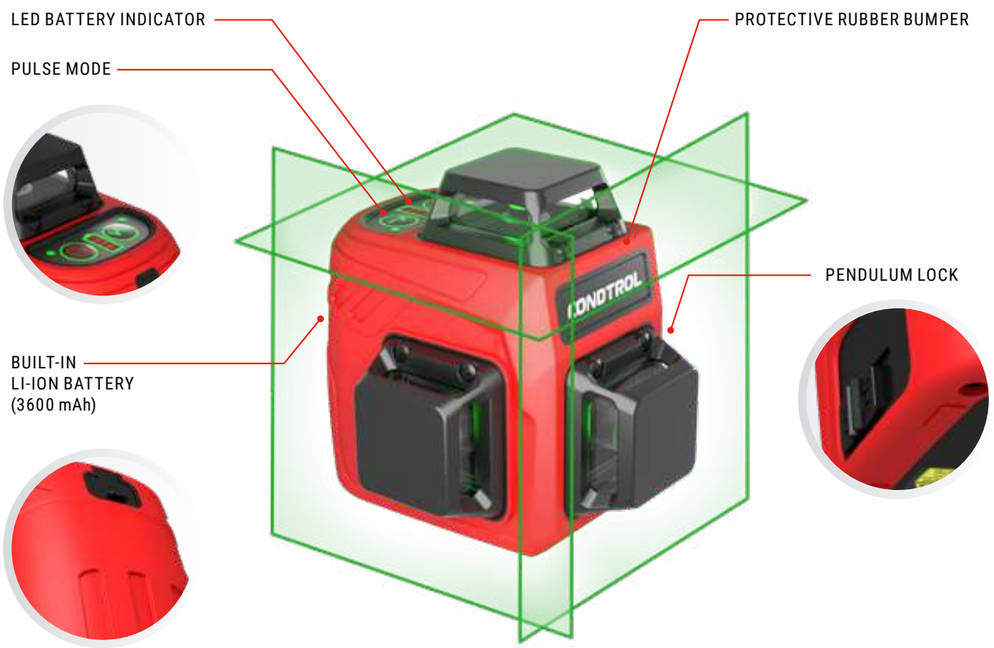
88% 22% 4x BRIGHTER | 2+1* WARRANTY YEAR

30m | 60m | 0.3 mm/m | 3.0° | 1/4" 5/8" | Li-Ion

TECHNICAL CHARACTERISTICS	
Working range / with receiver	30 m/60 m
Accuracy	±0,3 mm/m
Self-levelling	± 3°
Dust and water protection	IP54
Tripod thread	1/4'', 5/8''
Laser type	Class II, 515 nm < 1 mW
Power supply	3,7 V 4000 mAh Li-Ion rechargeable battery
Dimensions	147x91x147 mm
Weight	878 g

DELIVERY PACKAGE	Fliesen 4D
Item nr.	1-002-002
Laser Fliesen 4D	•
Li-Ion battery 2 pcs.	•
Charger	•
Lifting platform	•
WallMount Pro	•
Clamp	•
Magnetic target	•
Plastic case	•

SMART 3D



88% 22% 4x BRIGHTER

2+1* WARRANTY YEAR

30m | 60m | 0.3 mm/m | 4.0° | 1/4'' | Li-Ion

TECHNICAL CHARACTERISTICS	
Working range / with receiver	30 m / 60 m
Accuracy	±0,3 mm/m
Self-levelling	± 4°
Dust and water protection	IP54
Tripod thread	1/4''
Laser type	Class II, 520 nm < 1 mW
Power supply	3,7 V 3600 mAh Li-Ion rechargeable battery
Dimensions	105x77x98 mm
Weight	390 g

DELIVERY PACKAGE	SMART 3D
Item nr.	1-002-003
Laser SMART 3D	•
Li-Ion battery	•
Charger	•
Mount	•
Pouch	•

XLiner Duo / Combo

88% 22% 4x BRIGHTER

2 WARRANTY YEAR

30m | 60m | 0.3 mm/m | 4.0° | 1/4''

TECHNICAL CHARACTERISTICS	
Working range / with receiver	30 m / 60 m
Accuracy	±0,3 mm/m
Self-levelling	± 4°
Dust and water protection	IP54
Tripod thread	1/4''
Laser type	Class II, 520 nm < 1 mW
Power supply	4x1,5 V AA
Dimensions	132x84x101 mm
Weight	430 g

DELIVERY PACKAGE	XLiner Duo	XLiner Combo	XLiner Combo Set
Item nr.	1-2-421	1-2-422	1-2-425
Laser	•	•	•
Mount	•	•	
Tripod 1/4''			•
Glasses	•	•	
Batteries	•	•	•
Pouch	•	•	
Plastic case			•

XLiner Duo	XLiner Combo

LINE LASERS

XLiner 360 G / Combo 360 G

PATENT PRO

88% 22% 4x BRIGHTER

2+1* WARRANTY YEAR

40m | 80m | 0.2 mm/m | 3.5° | 1/4" 5/8"

XLiner Remote App enables you to control the laser via Bluetooth from your smartphone. Main functions:

- selection of laser planes combinations
- pulse mode
- laser brightness adjustment
- control of the battery level

TECHNICAL CHARACTERISTICS	
Working range / with receiver	40 m / 80 m
Accuracy	±0,2 mm/m
Self-levelling	± 3,5°
Dust and water protection	IP54
Tripod thread	1/4'', 5/8''
Laser type	Class II, 520 nm < 1 mW
Power supply	4x1,5 V AAA LR6
Dimensions	132x85x116 mm
Weight	440 g

DELIVERY PACKAGE	XLiner 360 G	XLiner 360 G Kit	XLiner Combo 360 G	XLiner Combo 360 G Kit
Item nr.	1-2-134	1-2-408	1-2-411	1-2-412
Laser	•	•	•	•
Batteries	•	•	•	•
WallMount Pro		•		•
Clamp		•		•
Magnetic target		•		•
Pouch	•		•	
Plastic case		•		•

XLiner 360 G

XLiner Combo 360 G

XLiner Quattro 360 G / Pento 360 G

PATENT PRO

2 HIGH CAPACITY BATTERIES

3D CONTROL PANEL WITH RUBBER KEYS

TRIPOD THREAD 1/4'' AND 5/8''

88% 22% 4x BRIGHTER

2+1* WARRANTY YEAR

40m | 80m | 0.2 mm/m | 3.5° | 1/4" 5/8" | Li-Ion

TECHNICAL CHARACTERISTICS	
Working range / with receiver	40 m / 80 m
Accuracy	±0,2 mm/m
Self-levelling	± 3,5°
Dust and water protection	IP54
Tripod thread	1/4'', 5/8''
Laser type	Class II, 515 nm < 1 mW
Power supply	7,4 V 2600 mAh Li-Ion rechargeable battery
Dimensions	155x85x132 mm
Weight	730 g

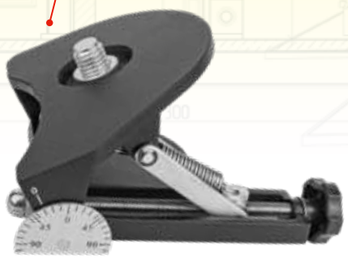
XLiner Pento 360 G Kit

DELIVERY PACKAGE	XLiner Quattro 360 G	XLiner Quattro 360 G Kit	XLiner Pento 360 G	XLiner Pento 360 G Kit
Item nr.	7-2-105	7-2-106	1-2-158	1-2-410
Laser	•	•	•	•
Li-Ion battery 2 pcs	•	•	•	•
Micro USB-cable	•	•	•	•
Charger	•	•	•	•
WallMount Pro		•		•
Clamp		•		•
Magnetic target		•		•
Pouch	•		•	
Plastic case		•		•

XLiner Quattro 360 G

XLiner Pento 360 G

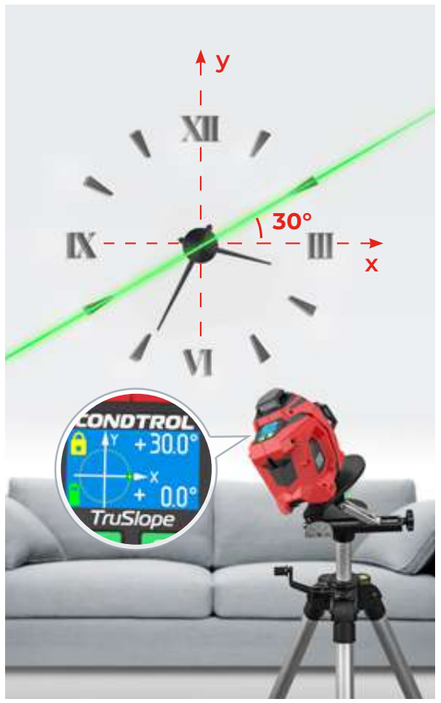
TILT ADAPTER INCLUDED



88% 22% 4x BRIGHTER

2+1* WARRANTY YEAR

40m | 80m | 0.2mm/m | y x | 5/8" | Li-Ion



SLOPE MEASURING UNITS SELECTION (°, %, mm/m)

3D CONTROL PANEL WITH RUBBER KEYS

TECHNICAL CHARACTERISTICS	TruSlope	XLiner 3D
Working range / with receiver	40 m / 80 m	40 m / 80 m
Accuracy	±0,2 mm/m	±0,2 mm/m
Self-levelling	± 4°	± 4°
Tilt sensor	YES	NO
Dust and water protection	IP65	IP65
Tripod thread	1/4'', 5/8''	1/4'', 5/8''
Laser type	Class II, 520 nm < 1 mW	Class II, 520 nm < 1 mW
Power supply	3,7 V 5000 mAh Li-Ion rechargeable battery	3,7 V 5000 mAh Li-Ion rechargeable battery
Dimensions	138x98x134 mm	138x98x134 mm
Weight	950 g	950 g

DELIVERY PACKAGE	TruSlope	XLiner 3D
Item nr.	7-2-122	1-2-423
Laser	•	•
Li-Ion battery 2 pcs.	•	•
Charger	•	•
WallMount Pro	•	•
Tilt adapter	•	
Pouch		•
Plastic case	•	

TruSlope

XLiner 3D

Omniliner G3D

PATENT PRO

88% 22% 4x BRIGHTER

2+1* WARRANTY YEAR

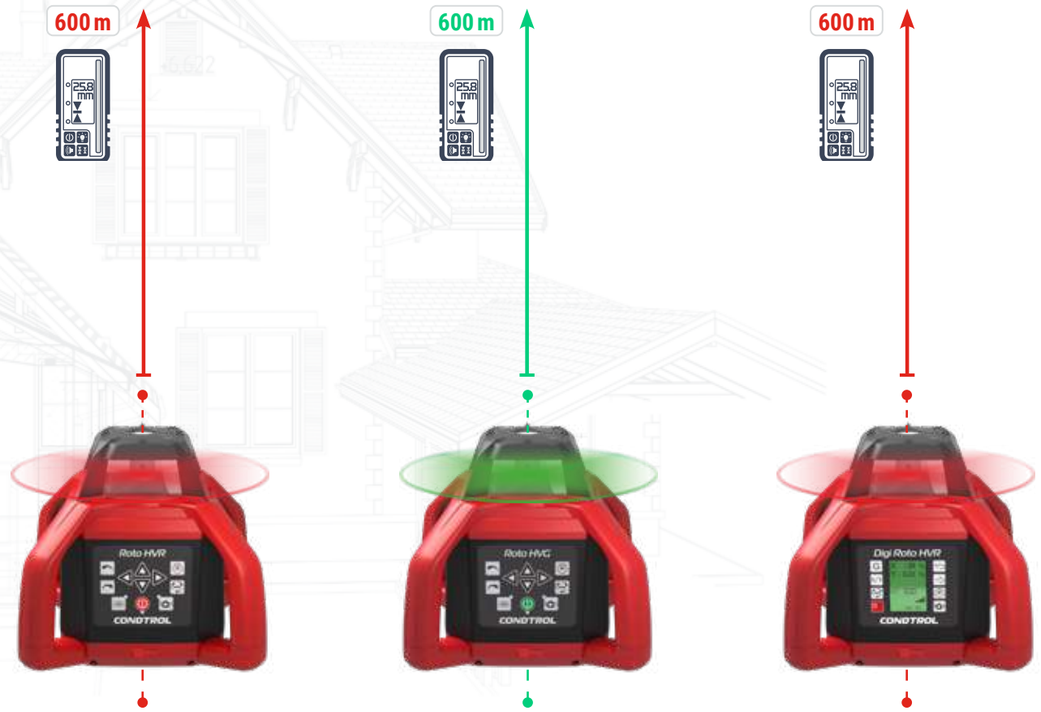
40m | 80m | 0.2 mm/m | 4.0° | 1/4" 5/8" | Li-Ion

TECHNICAL CHARACTERISTICS	
Working range / with receiver	40 m/80 m
Accuracy	±0,2 mm/m
Self-levelling	± 4°
Dust and water protection	IP65
Tripod thread	1/4'', 5/8''
Laser type	Class II, 520 nm < 1 mW
Power supply	3,7 V 5200 mAh Li-Ion rechargeable battery
Dimensions	140x138x110 mm
Weight	774 g

DELIVERY PACKAGE	Omniliner G3D	Omniliner G3D Kit
Item nr.	1-2-139	1-2-406
Laser Omniliner G3D	•	•
Li-Ion battery	•	•
Micro USB-cable	•	•
Charger	•	•
Universal mount		•
Clamp		•
Magnetic target		•
Bag	•	
Plastic case		•

Omniliner G3D

Omniliner G3D Kit



TECHNICAL CHARACTERISTICS

	Easy Roto HVR	Rotech HVR	Rotech HVG
ACCURACY	0,15 mm/m	0,1 mm/m	0,1 mm/m
SELF-LEVELLING	±5°	±5°	±5°
CONTINUOUS OPERATING TIME	35 h	35 h	35 h
LASER TYPE	Class II, 630-685 nm < 1 mW	Class II, 630-685 nm < 1 mW	Class II, 515-520 nm < 1 mW
ROTATION SPEED	0, 120, 300, 600 rpm *	0, 120, 300, 600 rpm *	0, 120, 300, 600 rpm *
SCANNING MODE	0°, 10°; 45°; 90°; 180° *	0°, 10°; 45°; 90°; 180° *	0°, 10°; 45°; 90°; 180° *
WORKING RANGE OF REMOTE CONTROL / BLUETOOTH	90 m	90 m	90 m
OPERATION BY THE APP VIA BLUETOOTH	•	•	•
DUST AND WATER PROTECTION	IP55	IP55	IP55
TRIPOD THREAD	5/8''	5/8''	5/8''
POWER SUPPLY	7,4 V 4000 mAh Li-Ion rechargeable battery	7,4 V 4000 mAh Li-Ion rechargeable battery	7,4 V 4000 mAh Li-Ion rechargeable battery
POWER SUPPLY OF THE RECEIVER	1 x 6F22 9 V	1 x 6F22 9 V	1 x 6F22 9 V
DIMENSIONS	150x128x161 mm	150x128x161 mm	150x128x161 mm
WEIGHT	1,5 kg	1,5 kg	1,5 kg

	Roto HVR	Roto HVG	Digi Roto HVR
ACCURACY	0,09 mm/m	0,09 mm/m	0,09 mm/m
SELF-LEVELLING	±5°	±5°	±5°
CONTINUOUS OPERATING TIME	20 h	15 h	20 h
LASER TYPE	Class II, 635 nm < 1 mW	Class II, 520 nm < 1 mW	Class II, 635 nm < 1 mW
ROTATION SPEED	0, 60, 120, 300, 600 rpm	0, 60, 120, 300, 600 rpm	0, 60, 120, 300, 600 rpm
SCANNING MODE	0°, 10°; 45°; 90°; 180°	0°, 10°; 45°; 90°; 180°	0°, 10°; 45°; 90°; 180°
WORKING RANGE OF REMOTE CONTROL / BLUETOOTH	90 m	90 m	100 m
OPERATION BY THE APP VIA BLUETOOTH	•	•	
DUST AND WATER PROTECTION	IP67	IP67	IP67
TRIPOD THREAD	5/8''	5/8''	5/8''
POWER SUPPLY	4 x 1,2 V 4000 mAh Ni-MH rechargeable battery	4 x 1,2 V 4000 mAh Ni-MH rechargeable battery	4 x 1,2 V 4000 mAh Ni-MH rechargeable battery
POWER SUPPLY OF THE RECEIVER	1 x 6F22 9 V	1 x 6F22 9 V	1 x 6F22 9 V
DIMENSIONS	206x206x211 mm	206x206x211 mm	206x206x211 mm
WEIGHT	2,5 kg	2,5 kg	3 kg

Roto Remote - A MODERN APP

Roto Remote is a free app that allows to operate Bluetooth-enabled CONDTROL rotary lasers via a smartphone or a tablet.

The Roto Remote app allows you to do the following:
- adjust the rotation speed of the laser emitter - 120, 300, 600 rpm;
- select the scanning sector - 10°, 45°, 90°, 180°;
- set the inclination to the X, Y axis;
- monitor the battery level.

Unlike the IR remote, the installed Roto Remote app and the Bluetooth module make it possible to control the line laser remotely at a distance of up to 100 m. Graphical interface of the app allows you to get feedback when working with the device.
These are the only rotary levels on the market that have such a useful and convenient (practical) innovation that significantly expands the functionality.

Download Roto Remote from App Store and Google Play.

Easy Roto HVR

PRO

2+1* WARRANTY YEAR

400m | 0.15 mm/m | 5.0° | IP55 | Li-Ion

TECHNICAL CHARACTERISTICS	
Working range with receiver	400 m
Accuracy	0,15 mm/m
Self-levelling	± 5°
Rotation speed	0, 120, 300, 600 rpm
Scanning mode	0°, 10°; 45°; 90°; 180°
Dust and water protection	IP55
Laser type	Class II, 630-685 nm <1 mW
Power supply	7,4 V 4000 mAh Li-Ion rechargeable battery
Dimensions	150x128x161 mm
Weight	1,5 kg

DELIVERY PACKAGE	Easy Roto HVR
Item nr.	7-2-113
Laser Easy Roto HVR	•
Li-Ion battery	•
Laser receiver	•
Charger	•
Universal mount	•
Mount for laser receiver	•
Laser glasses	•
Magnetic target	•
Four handle platform	
Plastic case	•

Roto Remote App enables you to control the laser via Bluetooth from your smartphone. Main functions:

- display of the battery charge level
- mode selection
- rotation speed measurement
- adjustment of a scanning sector
- manual adjustment of the tilt angle

Rotech HVR

PRO

2+1* WARRANTY YEAR

400 m | 0.1 mm/m | 5.0° | IP55 | Li-Ion

Roto Remote App enables you to control the laser via Bluetooth from your smartphone. Main functions:

- display of the battery charge level
- mode selection
- rotation speed measurement
- adjustment of a scanning sector
- manual adjustment of the tilt angle

TECHNICAL CHARACTERISTICS	
Working range with receiver	400 m
Accuracy	0,1 mm/m
Self-levelling	± 5°
Rotation speed	0, 120, 300, 600 rpm
Scanning mode	0°, 10°; 45°; 90°; 180°
Dust and water protection	IP55
Laser type	Class II, 630-685 nm <1 mW
Power supply	7,4 V 4000 mAh Li-Ion rechargeable battery
Dimensions	150x128x161 mm
Weight	1,5 kg

DELIVERY PACKAGE	Rotech HVR
Item nr.	1-002-100
Laser Rotech HVR	•
Li-Ion battery	•
Laser receiver	•
Charger	•
Universal mount	•
Mount for laser receiver	•
Laser glasses	•
Magnetic target	•
Four handle platform	•
Plastic case	•

Rotech HVG

PRO

88% 22% 4x BRIGHTER

2+1* WARRANTY YEAR

400 m | 0.1 mm/m | 5.0° | IP55 | Li-Ion

Roto Remote App enables you to control the laser via Bluetooth from your smartphone. Main functions:

- display of the battery charge level
- mode selection
- rotation speed measurement
- adjustment of a scanning sector
- manual adjustment of the tilt angle

TECHNICAL CHARACTERISTICS	
Working range with receiver	400 m
Accuracy	0,1 mm/m
Self-levelling	± 5°
Rotation speed	0, 120, 300, 600 rpm
Scanning mode	0°, 10°; 45°; 90°; 180°
Dust and water protection	IP55
Laser type	Class II, 515-520 nm <1 mW
Power supply	7,4 V 4000 mAh Li-Ion rechargeable battery
Dimensions	150x128x161 mm
Weight	1,5 kg

DELIVERY PACKAGE	Rotech HVR
Item nr.	1-002-103
Laser Rotech HVG	•
Li-Ion battery	•
Laser receiver	•
Charger	•
Universal mount	•
Mount for laser receiver	•
Laser glasses	•
Magnetic target	•
Four handle platform	•
Plastic case	•

Roto HVR

PRO

2+1* WARRANTY YEAR

600m | 0.09mm/m | 5.0° | IP67 | Ni-MH

Roto Remote App enables you to control the laser via Bluetooth from your smartphone. Main functions:

- display of the battery charge level
- mode selection
- rotation speed measurement
- adjustment of a scanning sector
- manual adjustment of the tilt angle

TECHNICAL CHARACTERISTICS

Working range with receiver	600 m
Accuracy	0,09 mm/m
Self-levelling	± 5°
Rotation speed	0, 60, 120, 300, 600 rpm
Scanning mode	0°, 10°; 45°; 90°; 180°
Dust and water protection	IP67
Laser type	Class II, 635 nm < 1 mW
Power supply	4 x 1,2 V 4000 mAh Ni-MH rechargeable battery
Dimensions	206x206x211 mm
Weight	2,5 kg

DELIVERY PACKAGE	Roto HVR	Roto HVR Set
Item nr.	7-2-000	7-2-094
Laser Roto HVR	•	•
Ni-MH batteries	•	•
Laser receiver X-act Roto	•	•
Charger	•	•
Universal mount	•	•
Mount for laser receiver	•	•
Laser glasses	•	•
Magnetic target	•	•
Geodatic tripod Geo		•
Leveling pole Flexi Staff		•
Plastic case	•	•

Roto HVG

PRO

88% 22% 4x BRIGHTER

2+1* WARRANTY YEAR

600m | 0.09mm/m | 5.0° | IP67 | Ni-MH

TECHNICAL CHARACTERISTICS

Working range with receiver	600 m
Accuracy	0,09 mm/m
Self-levelling	± 5°
Rotation speed	0, 60, 120, 300, 600 rpm
Scanning mode	0°, 10°; 45°; 90°; 180°
Dust and water protection	IP67
Laser type	Class II, 520 nm < 1 mW
Power supply	4 x 1,2 V 4000 mAh Ni-MH rechargeable battery
Dimensions	206x206x211 mm
Weight	2,5 kg

DELIVERY PACKAGE	Roto HVG	Roto HVG Set
Item nr.	7-2-001	7-2-095
Laser Roto HVG	•	•
Ni-MH batteries	•	•
Laser receiver X-act Roto	•	•
Charger	•	•
Universal mount	•	•
Mount for laser receiver	•	•
Laser glasses	•	•
Magnetic target	•	•
Geodatic tripod Geo		•
Leveling pole Flexi Staff		•
Plastic case	•	•

Digi Roto HVR

PRO

2+1* WARRANTY YEAR

600m | 0.09mm/m | 5.0° | IP67 | Ni-MH

TECHNICAL CHARACTERISTICS	
Working range with receiver	600 m
Accuracy	0,09 mm/m
Self-levelling	± 5°
Rotation speed	0, 60, 120, 300, 600 rpm
Scanning mode	0°, 10°; 45°; 90°; 180°
Dust and water protection	IP67
Laser type	Class II, 635 nm < 1 mW
Power supply	4 x 1,2 V 4000 mAh Ni-MH rechargeable battery
Dimensions	206x206x211 mm
Weight	3 kg

DELIVERY PACKAGE	Digi Roto HVR
Item nr.	7-2-096
Laser Digi Roto HVR	•
Ni-MH batteries	•
Laser receiver X-act Roto	•
Charger	•
Remote control	•
Universal mount	•
Mount for laser receiver	•
Laser glasses	•
Magnetic target	•
Plastic case	•

MACHINE CONTROL RECEIVER MC-200 Set

PRO

2+1* WARRANTY YEAR

200m | IP66 | Ni-MH

TECHNICAL CHARACTERISTICS	
Working range	200 m
Fine accuracy	±2-10 mm
Coarse accuracy	±5-23 mm
Sensor length	25 cm
Dust and water protection	IP66
Power supply	7,2 V 3000 mAh Ni-MH battery
Dimensions	376x180x49 mm
Weight	3,1 kg

DELIVERY PACKAGE	MC-200 SET
Item nr.	465-6-01
Device MC-200 Set	•
Cabin receiver	•
Magnetic clamp	•
Charger	•
Connection cable	•
Plastic case	•
OPTIONAL ACCESSORY	
Metal clamps (not included)	465-6-02

THEODOLITE iTeo 10

PRO

Ni-MH batteries

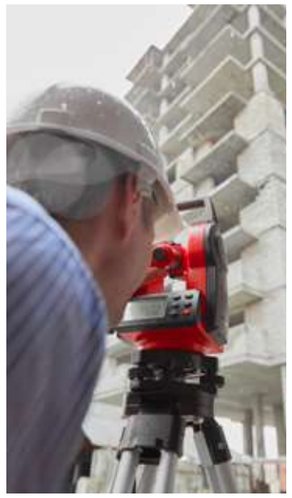
LCD WITH A BACKLIGHT

LASER PLUMB

2+1* WARRANTY YEAR

45mm | 30x | 10''

TECHNICAL CHARACTERISTICS	
TELESCOPE	
Length	155 mm
Objecive aperture	45 mm
Magnification	30x
Image	erect
Angular field of view	1° 30'
Minimal viewing distance	1,3 m
Stadia ratio	100
Additive constante	0
ELECTRONIC ANGLE MEASUREMENT	
Method	incremental
LCD	double
Accuracy of angle measurement	10''
Circle diameter	71 mm
BACKLIGHT	LCD, cross wires
DATA TRANSFER	
EDM interface	•
Data output	•
LEVEL SENSITIVITY	
Cylindrical level	30''/2 mm
Universal level	8'/2 mm
Power supply	6V1300 mAh Ni-MH rechargeable batterie
Dimensions	160x190x324 mm
Weight	4,8 kg



DELIVERY PACKAGE	iTeo 10
Item nr.	2-2-015
Device iTeo 10	•
Charger	•
Battery box for alkaline-batteries	•
Screwdriver	•
Adjusting pin	•
Brush	•
Cleaning flannel-cloth	•
Plastic case	•

OPTICAL LEVEL 24X/32X

PRO

24X/32X ZOOM AND MULTI-COATED OPTICS

360° LIMB

METAL HOUSING

MAGNETIC COMPENSATOR

2+1* WARRANTY YEAR

38mm | 32x | 15' | 0.5'' | 360°

TECHNICAL CHARACTERISTICS	24X	32X
Standard deviation per 1 km double-run levelling	2 mm	1,5 mm
Magnification	24x	32x
Objective aperture	38 mm	
Minimal viewing distance	0,6 m	
Stadia Ratio	100	
Type of compensator	magnetic	
Compensator operating range	15'	
Setting accuracy	0,5''	
Dimensions	190x128x123 mm	
Weight	1,22 kg	

DELIVERY PACKAGE	24X
Item nr.	2-3-038
Device 24X	•
Plummet	•
Adjusting pin	•
Case	•

DELIVERY PACKAGE	32X	32X Set
Item nr.	2-3-039	2-3-047
Device 32X	•	•
Geodetic tripod Geo		•
Leveling pole TS5		•
Plummet	•	•
Adjusting pin	•	•
Case	•	•

MEASURING WHEEL **Wheel Pro/ WheelTronic**

2 WARRANTY YEAR

99999.9m | 0.3%

TECHNICAL CHARACTERISTICS	
Measuring range	0-99999,9 m
Accuracy	±0,3%
Smallest unit displayed	0,1 m
Wheel diameter	318 mm
Circumference	1 m
Brake	•
Dimensions	1100x320x160 mm/ 580x320x160 mm
Weight	2 kg

DELIVERY PACKAGE	Wheel Pro
Item nr.	2-10-006
Device Wheel Pro	•
Pouch	•

2 WARRANTY YEAR

99999.9m | 0.5%

TECHNICAL CHARACTERISTICS	
Measuring range	0-99999,9 m
Accuracy	±0,5%
Smallest unit displayed	0,1 m
Wheel diameter	160 mm
Circumference	0,5 m
Power supply	2x1,5V (AAA)
Display	•
Dimensions	1120x160x90 mm/ 670x160x90 mm
Weight	0,7 kg

DELIVERY PACKAGE	WheelTronic
Item nr.	2-10-005
Device WheelTronic	•
Batteries	•
Pouch	•

TECHNICAL CHARACTERISTICS	Maxwell 2	Maxwell 3	Maxwell 4
ACCURACY	± 2°C (± 2%)	± 2 °C (± 1,5%)	± 2 °C (± 2%)
MEASURING RANGE OF SURFACE TEMPERATURE	-50 °C ...+350 °C	-30 °C ...+380 °C	-50 °C...+800 °C
DISPLAY	LCD	LCD	LCD
OPTICAL RESOLUTION	12:1	12:1	12:1
POWER SUPPLY	2 x 1,5V (AAA)	2x1,5 V (AAA)	1x9 V 6F22
DIMENSIONS	148x83x35 mm	148x102x46 mm	104x164x47 mm
WEIGHT	120 g	130 g	155 g

NON-DESTRUCTIVE TESTING INSTRUMENTS

2+1* WARRANTY YEAR

-50 °C +350 °C | 2.0 °C | D:S 12:1 | 0.1 - 1.0 | HAL LAL

TECHNICAL CHARACTERISTICS	
Accuracy	± 2°C (± 2%)
Measuring range of surface temperature	-50 °C ...+350 °C
Display	LCD
Optical resolution	12:1
Power supply	2x1,5V (AAA)
Dimensions	148x83x35 mm
Weight	120 g

DELIVERY PACKAGE	Maxwell 2
Item nr.	3-16-045
Device Maxwell 2	•
Batteries	•

INFRARED THERMOMETER **Maxwell 3**

PRO

LASER SPOT MARKING TO DETERMINE THE SIZE OF THE MEASURED SPOT

DETERMINATION OF MIN/MAX TEMPERATURE WITH A RED DIODE

ADJUSTMENT OF EMISSIVITY

DATA HOLD FUNCTION TO CAPTURE MEASUREMENTS ON THE SCREEN

2+1* WARRANTY YEAR

-30 °C +380 °C | 2.0 °C | D:S 12:1 | ϵ 0.1 - 1.0

TECHNICAL CHARACTERISTICS	
Accuracy	± 2 °C (± 1,5%)
Measuring range of surface temperature	-30 °C …380 °C
Display	LCD
Optical resolution	12:1
Power supply	2x1,5 V (AAA)
Dimensions	148x102x46 mm
Weight	130 g

DELIVERY PACKAGE	Maxwell 3
Item nr.	3-16-043
Device Maxwell 3	•
Batteries	•

INFRARED THERMOMETER-HYGROMETER **Maxwell 4**

PRO

LASER SPOT MARKING TO DETERMINE THE SIZE OF THE MEASURED SPOT

RH SENSOR

DETERMINTATION OF COLD BRIDGES WITH RED/YELLOW/GREEN DIODE

ADJUSTMENT OF EMISSIVITY

DEW POINT MODE

UV-ILLUMINATION FOR DIAGNOSTICS OF AIR CONDITIONING SYSTEMS

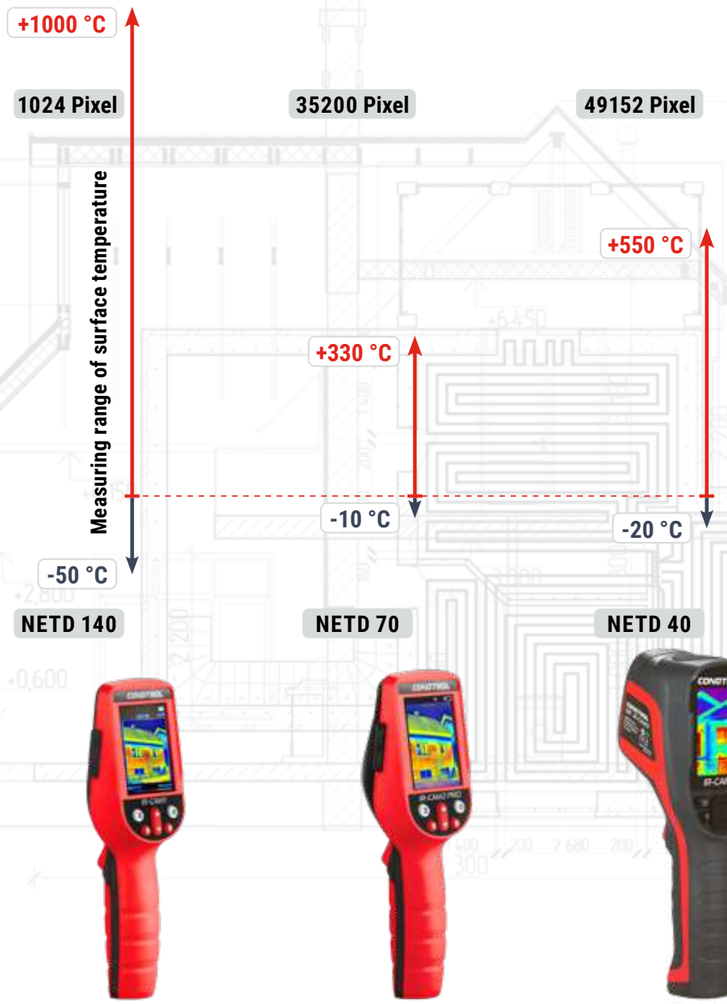
2+1* WARRANTY YEAR

-50 °C +800 °C | 2.0 °C | D:S 12:1 | ϵ 0.1 - 1.0 | RH 0 - 100%

TECHNICAL CHARACTERISTICS	
Accuracy	± 2°C (± 2%)
Measuring range of surface temperature	-50 °C…+800 °C
Display	LCD
Measuring range of ambient temperature	-10 °C…+60 °C
Measuring range of relative humidity	0% …100%
Optical resolution	12:1
Power supply	1x9 V 6F22
Dimensions	104x164x47 mm
Weight	155 g

DELIVERY PACKAGE	Maxwell 4
Item nr.	3-16-044
Device Maxwell 4	•
Batteries	•

NON-DESTRUCTIVE TESTING INSTRUMENTS



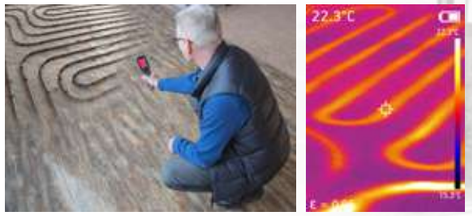
TECHNICAL CHARACTERISTICS

	IR-CAM 1	IR-CAM 2 Pro	IR-CAM 3
ACCURACY	± 2°C (± 2%)	± 2°C (± 2%)	± 2°C (± 2%)
THERMAL SENSITIVITY	0,14 °C	0,07 °C	0,04 °C
VIEWING ANGLE	33°x33°	35,4°x26,8°	56°x42°
RESOLUTION OF INFRARED IMAGE	32x32 (1024) Pixel	220x160 (35200) Pixel	256×192 (49152) Pixel
DIGITAL CAMERA	2 Megapixel	2 Megapixel	2 Megapixel
DISPLAY	2,8 inch. touch sensitive colour LCD	2,8 inch. touch sensitive colour LCD	2,8 inch. colour LCD
OPERATING TEMPERATURE	-10 °C…+50 °C	-10 °C…+50 °C	-10 °C…+50 °C
STORAGE TEMPERATURE	-20 °C…+60 °C	-20 °C…+60 °C	-20 °C…+60 °C
STORAGE HUMIDITY	10%...80%	10%...80%	10%…95%
DIMENSIONS	217x63x50 mm	220x69x70 mm	230x72x95 mm
WEIGHT	230 g	260 g	520 g
POWER SUPPLY	3,7 V 2500 mAh Li-Ion rechargeable battery	3,7 V 3200 mAh Li-Ion rechargeable battery	3,6 V 5000 mAh Li-Ion rechargeable battery
INTERNAL MEMORY	1 GB with ability to save to PC via USB	1 GB with ability to save to PC via USB	
EXTERNAL MEMORY	up to 64 Gb (memory card slot)	up to 64 Gb (memory card slot)	Micro SD card 16 Gb (provided)
USB	•	•	•

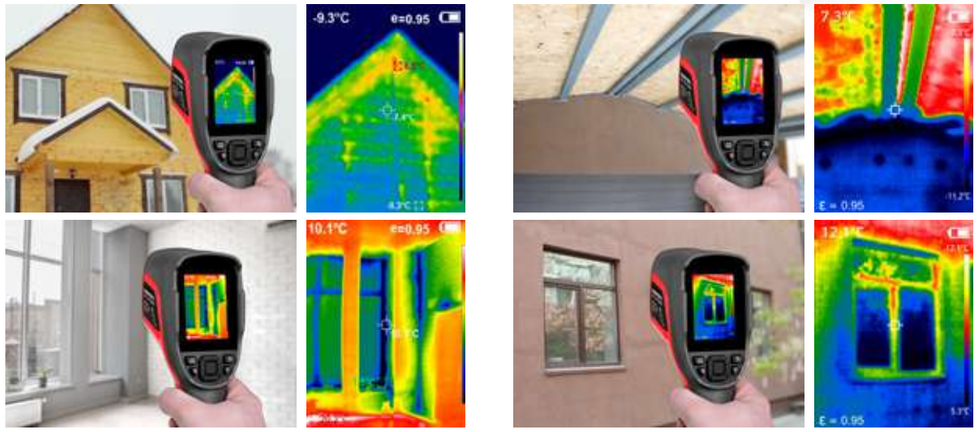
NON-DESTRUCTIVE TESTING INSTRUMENTS

49 152 Pixels FOR A VARIETY OF USES

MONITORING OF THE HEATED FLOOR

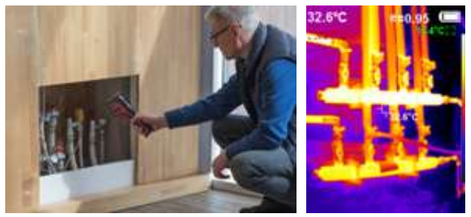


HEAT LEAKAGE DETECTION INSIDE AND OUTSIDE (FACADE, ROOF, WINDOWS)

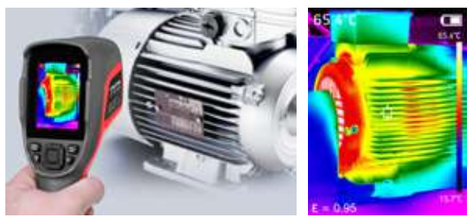


MONITORING OF RADIATORS AND AIR-CONDITIONERS

DETECTION OF WET PLACES AND LEACKS



ASSESSMENT OF INSULATION CONDITION



OVERHEAT DETECTION OF ELECTRIC EQUIPMENT

THERMAL IMAGER IR-CAM1

PRO

2+1* WARRANTY YEAR

-50 °C +1000 °C | 32x32 px | 1 Gb | REC IR video

TECHNICAL CHARACTERISTICS	
Measuring range of surface temperature	-50 °C...+1000 °C
Accuracy	± 2 °C (± 2%)
Thermal sensitivity	0,14 °C
Viewing angle	33°x33°
Resolution of infrared image	32x32 (1024) Pixel
Resolution of visible light image	2 Megapixel
Display	2,8 inch. touch sensitive colour LCD
Power supply	3,7 V 2500 mAh Li-Ion rechargeable battery
Dimensions	217x63x50 mm
Weight	230 g

DELIVERY PACKAGE	IR-CAM1
Item nr.	3-17-023
Device IR-CAM1	•
Mini USB cable	•
Plastic case	•

THERMAL IMAGER IR-CAM2 PRO

PRO

2+1* WARRANTY YEAR

-10 °C +330 °C | 220x160 px | 1 Gb | REC IR video

TECHNICAL CHARACTERISTICS	
Measuring range of surface temperature	-10 °C...+330 °C
Accuracy	± 2 °C (± 2%)
Thermal sensitivity	0,07 °C
Viewing angle	35,4°x26,8°
Resolution of infrared image	220x160 (35200) Pixel
Resolution of visible light image	2 Megapixel
Display	2,8 inch. touch sensitive colour LCD
Power supply	3,7 V 3200 mAh Li-Ion rechargeable battery
Dimensions	220x69x70 mm
Weight	260 g

DELIVERY PACKAGE	IR-CAM2 PRO
Item nr.	3-17-021
Device IR-CAM2 PRO	•
Mini USB cable	•
Plastic case	•

THERMAL IMAGER IR-CAM3

PRO

2+1* WARRANTY YEAR

-20 °C +550 °C | 256x192 px | 16 Gb | Li-Ion

TECHNICAL CHARACTERISTICS	
Measuring range of surface temperature	-20 °C...+550 °C
Accuracy	± 2°C (± 2%)
Thermal sensitivity	0,04 °C
Viewing angle	56°x42°
Resolution of infrared image	256×192 (49152) Pixel
Resolution of visible light image	2 Megapixel
Display	2,8 inch. colour LCD
Power supply	3,6 V 5000 mAh Li-Ion rechargeable battery
Dimensions	230x72x95 mm
Weight	520 g

DELIVERY PACKAGE	IR-CAM3
Item nr.	3-17-022
Device IR-CAM3	•
USB type-C cable	•
Memory SD card 16 GB	•

WALL SCANNER SCAN

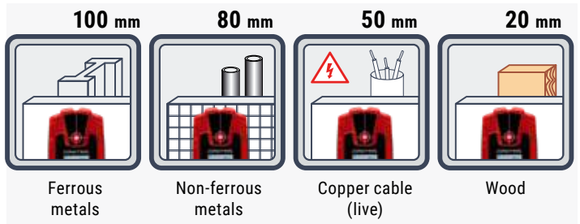
PRO

2+1* WARRANTY YEAR

100 mm | 50 mm | 20 mm

TECHNICAL CHARACTERISTICS	
Maximum scanning depth	
Ferrous metals	100 mm
Non-ferrous metals	80 mm
Copper cable (live)	50 mm
Wood	20 mm
Power supply	1x 9 V 6LR61
Continuous operating time	6 h
Storage temperature	-20 °C...+70 °C
Operating temperature	-10 °C...+50 °C
Dimensions	196x76x25 mm
Weight	145 g

DELIVERY PACKAGE	SCAN
Item nr.	3-12-027
Device SCAN	•
Batteries	•
Pouch	•



COATING THICKNESS GAUGE **Paint PRO**

PRO

MEASUREMENT STATISTICS

FAST CALIBRATION

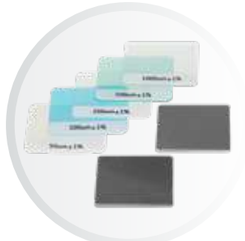
INTERNAL MEMORY

AUTOMATIC DETECTION OF METAL TYPE

MEASURING OF COATING THICKNESS OF FERROUS AND NON-FERROUS METALS

Fe/NFe

SAMPLES OF COATING THICKNESS FOR CALIBRATION ARE INCLUDED IN THE DELIVERY PACKAGE



COMBINED MEASURING PRINCIPLE

2+1* WARRANTY YEAR

0-1500µm | 3.0 % | Fe/NFe

TECHNICAL CHARACTERISTICS	
Measuring range	0-1500 µm
Modes of measurement	single measurement continuous measurement
Accuracy	±3% ; +2 µm
Memory	•
Minimal thickness of the measured surface	>0,5 mm
Display backlight	•
Power supply	2x1,5V (AAA)
Dimensions	112×51×28 mm
Weight	80 g

DELIVERY PACKAGE	Paint PRO
Item nr.	3-7-051
Device Paint PRO	•
Metal plate (Aluminium, iron) 2 pcs.	•
Film reference samples 5 pcs.	•
Batteries	•
Micro-USB cable	•
CD with Software	•
Plastic case	•

DIGITAL CONCRETE STRENGTH TESTER **BETON PRO**

PRO

INTEGRATED CONVERSION CURVES

OLED
- SUNLIGHT READABLE LCD DISPLAY
- VIEWING ANGLE 160°
- OPERATING TEMPERATURE -5°...+40°

INTERNAL MEMORY

METAL FRAME

ERGONOMIC HANDLE

ORIGINAL SOFTWARE

BLUETOOTH-INTERFACE

2+1* WARRANTY YEAR

3.5-99.9 MPa | 7.0 % | 3 materials | OLED | up to 500

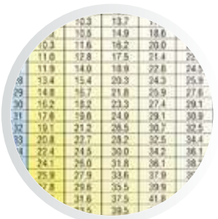
TECHNICAL CHARACTERISTICS	
Measuring range	3,5-99,9 MPa
Accuracy	±7%
Impact energy	0,15 J
Power supply	2x1,5 V (AA) LR6
Memory	up to 500 values
Dimensions	205x175x60 mm
Weight	600 g

DELIVERY PACKAGE	BETON PRO
Item nr.	3-10-024
Device Beton Pro	•
Grinding stone	•
Strength reference	•
Batteries	•
Pouch	•
Plastic case	•

MECHANICAL CONCRETE STRENGTH TESTER **BETON**

PRO

CALIBRATION TABLE ON THE BACK OF THE DEVICE



CONVERSION CHART INCLUDED

ROBUST HOUSING

LONG LIFE-CYCLE OF THE DEVICE

LIGHT WEIGHT

IMPACT ENERGY NOT LESS THEN 1.8 J

2+1* WARRANTY YEAR

10-60 MPa | 20 %

TECHNICAL CHARACTERISTICS	
Measuring range	10-60 MPa
Accuracy	±20%
Impact energy	1,8 J
Operating temperature	-5°C to +40°C, relative humidity up to 80%, non-condensing
Dimensions	280x75x60 mm
Weight	1,1 kg

DELIVERY PACKAGE	BETON
Item nr.	3-10-004
Device Beton	•
Grinding stone	•
Screwdriver	•
Spring	•
Plastic case	•

MOISTURE METER **HYDRO TEC**

PRO

NON-DESTRUCTIVE TESTING METHOD

COMPACT SIZE

ERGONOMIC DESIGN

HIGH ACCURACY

SCANNING DEPTH UP TO 20 mm

8 TIMBER GROUPS AND 6 CONCRETE GROUPS TO SELECT ACCORDING TO THE DENSITY OF AN OBJECT

2+1* WARRANTY YEAR

up to 65.0 % | up to 2.5 % | 8 groups + 6 groups

TECHNICAL CHARACTERISTICS	
Moisture measuring range (max.)	0,1 -65%
Absolute accuracy	up to ± 2,5%
Power supply	2x1,5 V AAA
Dimensions	110x43x25 mm
Weight	75 g

DELIVERY PACKAGE	HYDRO TEC
Item nr.	3-14-006
Device HYDRO-Tec	•
Batteries	•
Pouch	•

MOISTURE METER **HYDRO**

PRO

2+1* WARRANTY YEAR

up to 65.0 % | up to 3.0 % | 8 groups + 6 groups

TECHNICAL CHARACTERISTICS	
Moisture measuring range	0,1 -65%
Absolute accuracy	up to ± 3%
Internal memory	99 values
Power supply	3x1,5V (AAA) LR03
Dimensions	150x59x28 mm
Weight	170 g

DELIVERY PACKAGE	HYDRO	HYDRO Kit
Item nr.	1-004-001	1-004-006
Device HYDRO	•	•
Batteries	•	•
Micro-USB cable	•	•
Hand strap	•	•
Remote sensor		•
Pouch	•	•

MOISTURE METER **HYDRO PRO**

PRO

2+1* WARRANTY YEAR

up to 65.0 % | up to 3.0 % | 8 groups + 6 groups

TECHNICAL CHARACTERISTICS	
Moisture measuring range	0,1 -65%
Absolute accuracy	up to ± 3%
Internal memory	50 values
Power supply	3x1,2 V 800 mAh (AAA)
Dimensions	150x59x28 mm
Weight	170 g

DELIVERY PACKAGE	HYDRO PRO	Remote sensor
Item nr.	3-14-013	3-14-023
Device HYDRO PRO	•	
Batteries	•	
Micro-USB cable	•	
Hand strap	•	
Remote sensor		•
Pouch	•	•

H140

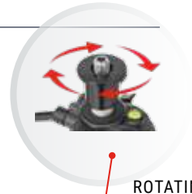
Compatibility	QB, Smart 3D, Boden 3D, Fliesen 4D, XLiner Duo, XLiner Combo, XLiner 360 G, XLiner Combo 360 G, XLiner Quattro 360 G, XLiner Pento 360 G, Omniliner G3D, TruSlope, XLiner 3D Vector 60, Vector 80, Vector 100, XP3 Green, XP4, XP5, Vector 150, Vector 200
Tripod thread	1/4”
Height	52,5-140 cm
Weight	1,045 kg
Item nr.	2-17-080

H160

Compatibility	QB, Smart 3D, Boden 3D, Fliesen 4D, XLiner Duo, XLiner Combo, XLiner 360 G, XLiner Combo 360 G, XLiner Quattro 360 G, XLiner Pento 360 G, Omniliner G3D, TruSlope, XLiner 3D Vector 60, Vector 80, Vector 100, XP3 Green, XP4, XP5, Vector 150, Vector 200
Tripod thread	1/4''
Height	60-160 cm
Weight	1,165 kg
Item nr.	2-17-081

H190

Compatibility	NEO G200, NEO G220, XLiner 360 G, XLiner Combo 360 G, XLiner Quattro 360 G, XLiner Pento 360 G, Omniliner G3D, TruSlope, XLiner 3D Easy Roto HVR
Tripod thread	5/8''
Height	64-190 cm
Weight	1,25 kg
Item nr.	2-17-023



ROTATING PLATFORM

TRIPODS

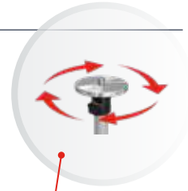
ACCESSORIES

Geo

Compatibility	Easy Roto HVR, Rotech HVR, Rotech HVG, Roto HVR, Roto HVG, Digi Roto HVR 24X, 32X, iTeo
Tripod thread	5/8''
Height	101-167 cm
Weight	4 kg
Item nr.	2-17-019

HD200

Compatibility	NEO G200, NEO G220, XLiner 360 G, XLiner Combo 360 G, XLiner Quattro 360 G, XLiner Pento 360 G, Omniliner G3D, TruSlope, XLiner 3D Easy Roto HVR, Rotech HVR, Rotech HVG, Roto HVR, Roto HVG, Digi Roto HVR
Tripod thread	5/8''
Height	103-200 cm
Weight	5,2 kg
Item nr.	2-17-556



ROTATING PLATFORM

HD 360 (Geo XL)

Compatibility	NEO G200, NEO G220, XLiner 360 G, XLiner Combo 360 G, XLiner Quattro 360 G, XLiner Pento 360 G, Omniliner G3D, TruSlope, XLiner 3D, Easy Roto HVR, Rotech HVR, Rotech HVG, Roto HVR, Roto HVG, Digi Roto HVR
Tripod thread	5/8''
Height	128-184 cm
Weight	7,3 kg
Item nr.	2-17-021

ROTATING PLATFORM

PILLARS

Pillar

Compatibility	NEO G200, NEO G220, XLiner 360 G, XLiner Combo 360 G, XLiner Quattro 360 G, XLiner Pento 360 G, Omniliner G3D, TruSlope, XLiner 3D
Tripod thread	5/8''
Height	100-366 cm
Weight	2,84 kg
Item nr.	2-17-004

Flexi Staff

Compatibility	for all line lasers and rotary lasers
Height	max. 240 cm
Weight	0,92 kg
Item nr.	7-1-088

Digi Staff

Compatibility	for all line lasers and rotary lasers
Height	130-300 cm
Weight	1,652 kg
Power supply	4x1,5V AA
Item nr.	7-1-999

TS5

Compatibility	for all rotary lasers and levels
Height	125-500 cm
Weight	1,203 kg
Item nr.	2-16-017

RECEIVERS

ULR

Compatibility	for all red and green line lasers
Working range	up to 100 m
Accuracy	±1 mm
Power supply	1,5 V AAA LR6
Dimensions	100×62×18 mm
Weight	120 g
Item nr.	2-17-199

RotoSense

Compatibility	for all rotary lasers
Working range	250 m
Accuracy	±1,5 mm
Power supply	9 V
Dimensions	155x74x31 mm
Weight	250 g
Item nr.	7-2-099

X-actRoto

Compatibility	for all red rotary lasers
Working range	300 m
Accuracy	±1 mm
Power supply	9 V
Dimensions	165×75×38 mm
Weight	370 g
Item nr.	7-1-033

X-actRoto Green

Compatibility	for all green rotary lasers
Working range	300 m
Accuracy	±1 mm
Power supply	9 V
Dimensions	165×75×38 mm
Weight	370 g
Item nr.	7-1-034

Motorised rotating platform

Compatibility	for precise and smooth rotation of all line lasers
Tripod thread	5/8''
Weight	640 g
Dimensions	120x130x83 mm
Item nr.	1-7-0111

WallMount

Compatibility	for all line lasers
Tripod thread	5/8''
Weight	290 g
Dimensions	150x100x150 mm
Item nr.	1-7-011

WallMount Pro

Compatibility	for all line lasers
Tripod thread	5/8''
Weight	350 g
Dimensions	125x85x115 mm
Item nr.	7-1-027

Tilt adapter

Compatibility	for all line lasers and rotary lasers
Tilt adjustment	0-90°
Thread	5/8''
Item nr.	7-2-107

Tripod head

Compatibility	for all line lasers and laser distance meters
Tripod thread	1/4"
Item nr.	7-2-101

Adapter screw from 1/4" to 5/8"

Compatibility	for all line lasers
Item nr.	1-7-036

Adapter screw from 5/8" to 1/4"

Compatibility	for all line lasers
Item nr.	1-7-103

Red magnet target / Green magnet target

Compatibility	for all red line lasers and laser distance meters	for all green line lasers and laser distance meters
Item nr.	1-7-010	1-7-110

Reflective target for distance meters

Compatibility	for all laser distance meters
Item nr.	1-7-021

Red laser glasses / Green laser glasses

Compatibility	for all red lasers	for all green lasers
Item nr.	1-7-005	1-7-101

Digital angle ruler A-Tronix 20

Measuring range	0°-360°
Accuracy	0,3°
Power supply	3V CR2032 Li-Ion
Dimensions	200x35x2 mm
Weight	160 g
Item nr.	1-002-300

LASER DISTANCE METERS

What does accuracy ±1.5 mm mean and what influences it?

Accuracy is the closeness of the measured value to a standard or true value. Under unfavorable conditions, such as bright sunlight or making measurement to surfaces with poor reflectivity, certain difficulties might take place:
- uneven walls – they influence the accuracy and may cause double signal;
- glossy surfaces – they affect the correct reflection of the beam;
- textile, wet or rough surfaces – they absorb the signal.

Accuracy at a distance from 10 m to 30 m may increase by approximately ± 0.025 mm/m. At distances over 30 meters, the maximum deviation increases to ± 0.15 mm/m.

Why is the optics size important?

The power of the laser signal, reflected and received by the optics, is directly proportional to the area of the optics aperture - $S=\pi r^2$. Thus, when the radius of the lens increases by 2 times, the signal reception range increases by 4 times. It allows you to work confidently even under unfavorable conditions.

How to work outside and under adverse conditions?

Measurement accuracy may get worse under unfavorable measurement conditions.

Bright light
Red laser is hard to see in the sun. The optimal conditions for making measurements outdoors are twilight or cloudy weather, indoors - dim light. If you have to work outside for a long time, you can either use a CONDTROL reflector, or choose a laser distance meter with a green laser or with a built-in camera.

Surface
When pointing the laser at corrugated, concrete, mirror or very dark surfaces, the reflected signal is very weak. You can solve the problem with a sheet of paper or a special CONDTROL reflector: fix the reflector or a sheet of paper on the object, point the laser at it and make measurements.

Dust, fog and high humidity
The laser beam is scattered when refracted by the smallest particles of water and dust in the air, so a CONDTROL reflector is used to amplify the signal.

Long distance measurements and beam jitter
To prevent the laser beam from shifting, it is better to fix the laser distance meter on a tripod and use the timer function.

Why do you need a camera in a laser distance meter?

A camera is used for precise targeting. It allows you to “zoom” an object, making it possible to measure outdoors in all weather conditions at a distance of more than 100 meters, even if the laser beam is not visible.

What are the benefits of working with the Smart measure app?

The Smart Measure app for Bluetooth-enabled CONDTROL laser distance meters allows you to:
- store unlimited number of measurements in smartphone memory, group and name them;
- mark dimensions of objects, premises, decor and furniture right in the pictures and leave comments;
- draw plans of premises with a dimensional grid;
- share the data and create photo sketches.

Why do you need a timer and a tripod mount?

A timer and a tripod are used for precise targeting. They enable you to take aim at the spot and avoid shifting of the laser beam, when you press buttons while measuring at long distances.

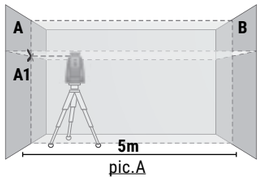
LINE LASERS

What does accuracy of a line laser mean?

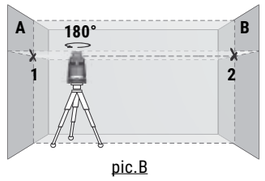
Accuracy or the maximum permissible error is one of the most important characteristics of a line laser. It is measured in mm/m and it determines how many millimeters a laser could be out over a defined range.

How to check the accuracy by yourself?

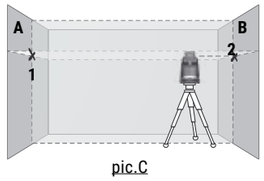
Checking the horizontal plane:
It is carried out by using two walls located opposite each other. Measure the distance between the walls (L value), install the device as close as possible to wall A (see pic. A). Move switch bar to unlocked position, switch on the vertical and horizontal emitters .Turn the device so that the intersection of the laser lines is located on the closest wall. Mark points of intersection of the laser lines with mark A1.
2. Turn the device by 180°, mark the point of intersection of the laser lines on the opposite wall with mark B2. (see pic. B)
3. Install the device closer to the opposite wall B. Place it the way that the intersection point of the laser lines coincides with the previously marked point B2 (see pic. C).
4. Turn the device by 180°. Aim the device at wall A so that the vertical line passes through the previously marked point A1. Mark the intersection point of the laser lines on wall A with mark A3. (see pic.D).
5. Measure the distance d between marks A1 and A3 (see pic. D). The accuracy is the value of d/L. If the obtained value exceeds the maximum allowed in the manual, contact the CONDTROL service centre for calibration.



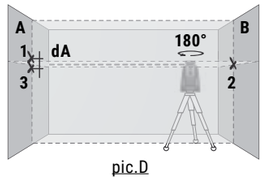
pic.A



pic.B



pic.C



pic.D

Checking the vertical plane:
Use a plumb bob as a reference of a vertical. Place the device against a plumb bob.
1. Move switch bar to unlocked position, switch on the vertical plane and align the vertical laser line with the low point of the plumb bob.
2. If the deviation of the axis of the vertical line from the plumb bob exceeds that stated in the manual, contact the CONDTROL service centre for calibration.

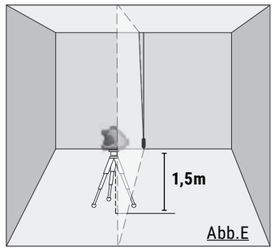


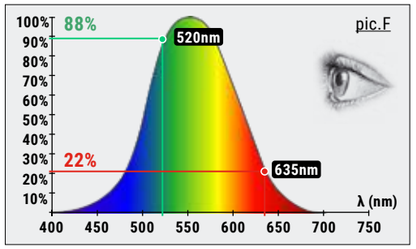
Abb.E

Why do you need a pulse mode?

If there is a long distance between a line laser and an object, laser beam may become less visible. A laser receiver is used to detect a laser when the pulse mode is switched on. It becomes easier to work at long distances and in unfavorable conditions. How to use the receiver? When the laser beam reaches the photosensitive element, the receiver starts indicating if it should be moved up or down in order to align the laser beam with the zero mark. The device equipped with a pulsed mode has a bigger working range, thus, it is more efficient.

Why is green laser brighter than the red one?

When perceived by the human eye, green colour is brighter than the red one. Even if lighting conditions and laser power are the same, the brightness of a green laser will be higher.



pic.F

LINE LASERS

Why do you need laser dots?

Laser plumb is used when you install an object in a determined place - for instance when you set up vertical columns, profiles, pipes, or project electrics on the ceiling. All you need is to switch on the corresponding function on your line laser and set it in the desired place. The laser beam will be projected up and down (under the level).

What are the benefits of working with XLiner Remote App?

XLiner Remote enables you to control line lasers via Bluetooth from your smartphone:
- select operation mode (switching on/off) of laser emitters, adjust the combination of required planes;
- activate pulse mode for working with receiver;
- adjust laser power to save the battery charge;
- monitor the battery level.

Remote control of a line laser is an absolute innovation that only CONDTROL instruments possess.

What is the difference between rotary lasers and line lasers?

Rotary lasers have a higher accuracy, a wider working range and a different kind of the alignment. Line levels are convenient when working indoors at distances up to 100 m. Rotary levels are used in road and industrial construction, for example, stadiums, shopping centres and railway lines with a length of more than 100 m. When working with a rotary laser, make sure to use a laser receiver.

NON-DESTRUCTIVE TESTING INSTRUMENTS

How do moisture meters of Hydro series work?

The operation principle of a moisture meter is based on the measurement of electrical resistivity: it depends on moisture contained in the material. The device generates an electrical impulse with a penetration depth of up to 30 mm without destroying the material and evaluates the loss of this field depending on the humidity and density of the material. In addition, the correlation dependences of the electric field on humidity are recorded in its memory.

How to calibrate a coating thickness meter?

Calibration is very important thing if you are going to work with coating thickness meter, because it influences the accuracy of measurements. The device is supplied with 6 coating samples and a metal plate. Calibrate CONDTROL Paint Check in less than a minute! Just select the calibration mode and make successive measurements, starting with a metal plate and continuing with measurements of all 6 coating thickness samples. Next, you can measure the thickness of the desired object and get precise measurement results.

What is the difference between an infrared thermometer and a thermal imager?

An infrared thermometer differs from a thermal imager, because it can measure the temperature at only one spot. At the same time, the sensitive ele thermal imager is its matrix that consists of at least 1024 pixels. The matrix of more proffessional models can reach 49152 pixels.

Why do you need RH Sensor in infrared thermometers?

RH sensor is a relative humidity sensor. This sensor allows you to determine air humidity. Combined with a temperature sensor, it allows to detect the dew point that may lead to mold formation.

NON-DESTRUCTIVE TESTING INSTRUMENTS

How to choose a thermal imager?

To find the right thermal imaging camera, you'll have to assess 4 major qualities:
- thermal sensitivity (NETD);
- measurement range;
- resolution of the IR matrix;
- advanced functions, such as video recording, broadcast via TV.

What does NETD mean?

It is a characteristic of the matrix, which determines how small the registered temperature difference between two points on the surface can be. The minimum sensitivity index is 160mK (0.16°C), but modern devices are much more sensitive. They allow you to determine the barely noticeable temperature difference on the surface. For instance, the IR-CAM 3 thermal imager has a sensitivity index of 40mK (0.04°C).

What does IR resolution of a thermal imager mean?

The IR resolution of a thermal imager determines the number of sensitive elements (elementary bolometers) and the clarity of the image.
Each pixel is a display of the measured temperature at a specific point in the tested area. The better the resolution, the finer the details that can be distinguished on the thermogram to draw conclusions about the causes of temperature changes. For example, a device with a 160x120 matrix displays 19200 pixels, while a 320x240 matrix measures 76800 pixels.

What distance should be maintained to make measurements with a thermal imager?

Temperature measurements depend on the optical resolution of the device.
As the distance from the device to the target increases, the size of the spot on the measured surface increases also. To determine the size of the measurement spot (S), you need to divide the distance from the instrument to target (D) into the coefficient of optical measurement. Thermal imagers have the working range - this is a thermal imager parameter that depends on the type of detector, detector size, detector pixel size, focal lens length, lens aperture, type and size of the observed object, thermal contrast of this object, thermal permeability of the atmosphere, observation conditions and criterion observations. For instance, a two-storey building 15 meters wide and 6 meters high can be inspected with IR-CAM2 Pro (viewing angle 35°×26°) from a distance of 30 meters, and with IR-CAM3 (viewing angle 56°×42°) from a distance of 22 meters.

How to improve thermal imager accuracy?

It is recommended to choose a suitable color palette and carry out thermal imaging work on objects with a temperature difference of about 10/20 degrees.

Why do you need to set emissivity in order to measure the temperature of different surfaces?

All objects emit thermal energy. The amount of emitted energy depends on the surface temperature and the emissivity of the object. Objects with different surfaces emit different amounts of thermal energy at the same temperature. Setting this emissivity allows the instrument to take this feature into account and minimize the measurement error. Set the emissivity (ε) from the table given in the manual.

How to work with a wall scanner?

A wall scanner detects structures inside walls by determining the density of the material. Therefore, before starting work, it needs to be calibrated on the surface of the wall in the place where there are no structures. The scanner takes this density as a reference and detects any changes in this density.

Polo shirt with CONDTROL embroidery

Dark blue casual polo shirt with embroidered logo.
Structure: 60% cotton 40% elastane.

Size	Item nr.
L	6-1-132
XL	6-1-131
XXL	6-1-128

Puffed sleeveless jacket CONDTROL

Lined puffed sleveless full-zip jacket with printed logo.
Structure: 100% polyester. Lining: 100% cotton.

Size	Item nr.
M	6-1-103
L	6-1-104
XL	6-1-079
XXL	6-1-090

Backpack CONDTROL

CONDTROL backpack is made of wear-resistant and frost-resistant fabric. Main features are a USB port for charging gadgets with your powerbank, hidden inside of a backpack, waterproof locks and many pockets.

Item nr.	6-1-144
Dimensions	420x150x320 mm
Color	blue

Table top acrylic display case

Product demonstration in a branded illuminated display case with a lockable door.
It holds up to 4 devices.

Item nr.	6-1-2003
Dimensions	305x205x120 mm
Weight	2 kg

Hanging illuminated CONDTROL display case

Product demonstration in a branded illuminated display case with a drawer.
It holds up to 12 devices.

Item nr.	1-7-111
Dimensions	1002x330x300 mm
Weight	29 kg

CONDTROL 180 cm illuminated floor standing display case

Product demonstration in a branded illuminated display case. It holds up to 30 devices.

Item nr.	0-00-005
Dimensions	1796x550x350 mm
Weight	96 kg

Stylish and modern watches CONDTROL

Silver alloy case with rubber bracelet. Clock mechanism with three hands. The dial and hands glow in the dark. Water resistant up to 5 ATM.

Item nr.	6-1-107

Screwdriver set CONDTROL

49-piece screwdriver set: ergonomically shaped handle and bits with different slot types. Made of chrome vanadium steel. Packed in an aluminum case.

Item nr.	6-1-0136
Dimensions	71x172x21 mm
Weight	284 g

Tyre inflator CONDTROL

Tyre inflator with high air injection speed. Battery operated. Made of metal and plastic.

Item nr.	6-1-0137
Dimensions	170x69x50 mm
Weight	600 g

Meat thermometer

Professional thermometer for grill and BBQ. Thermometer is equipped with a sensitive temperature probe and a display that allow you to control different levels of meat doneness.

Item nr.	5-0-014
Dimensions	32x345x26 mm
Weight	83 g

3 in 1 LED desk lamp CONDTROL

LED desk lamp 3 in 1 - LED table lamp, alarm clock, wireless charging station for phone and smart watch with printed logo.

Item nr.	6-1-093
Dimensions	80x200 mm
Weight	350 g

Folding ruler CONTROL

1m fibre-reinforced plastic folding ruler with printed logo.

Item nr.	6-1-014
Colour	Red
Dimensions	30x130x20 mm
Weight	60 g

CONDTROL

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