



WITH AN EYE TO THE FUTURE:

PRECISION MEETS INNOVATION.

No matter how difficult the conditions you encounter on a construction site – with our products, easy and efficient measurement is possible in every situation. Whether you want to measure angles, inclines or distances: the decision to use electronic measuring instruments from geo-FENNEL is the correct choice. They set standards for measurement results and provide a high level of quality through the combination of the most modern production technologies with the care and attention provided by our technical experts.



EcoDist Pro[®] Laser Distance Meter

» The perfect starter model with professional features.



TECHNICAL DATA	ECODIST PRO	FEATURES	SUPPLIED WITH
Distance typically	40 m	<ul style="list-style-type: none"> · Plus / minus · Area / volumes · Permanent measurement · Pythagoras functions · Reference front / rear · mm, ft, inch 	ART.-NO. D 1760
Distance with target plate	50 m		<ul style="list-style-type: none"> · Holster · Batteries
Accuracy	± 2.0 mm		<i>Range and accuracy test according to DIN ISO 16331-1</i>
Dust / water protection	IP 40		
Weight	110 g		
Laser class	2		



GeoDist® 40 Laser Distance Meter



» **Easy to use, quick and precise. Measure distances of up to 40 m at the touch of a button. Compact, lightweight and so much more:**

- Distance, area and volumes
- Height measurement using Pythagoras function
- Addition and subtraction of measurements
- Maximum / minimum / permanent measurement
- Illuminated display



1 Clear LCD display



TECHNICAL DATA	GEODIST® 40	FEATURES	SUPPLIED WITH
Accuracy	± 2.0 mm	<ul style="list-style-type: none"> · Minimum / maximum (and difference) · Permanent measurement · Plus / minus · Area / volumes · Pythagoras functions · Point of reference: front, rear · Self-timer, adjustable · Illumination of display · mm, ft, inch · Acoustic signal confirming the measurement 	ART.-NO. 300040 <ul style="list-style-type: none"> · Holster · Batteries
Measuring distance	40 m		
Laser class	2		
Dust / water protection	IP 54		
Dimensions	114 x 45 x 25 mm		
Weight (with batteries)	98 g		

DISTO D110



- » World's smallest laser distance meter with integrated Bluetooth® Smart technology. Makes it possible to easily create floor plans and sketches using precise measurements from the Leica DISTO™ D110 quickly by connecting it with the Leica DISTO™ sketch app on your smartphone or tablet.

TECHNICAL DATA	DISTO D110	FEATURES	SUPPLIED WITH
			ART.-NO. 300010
Accuracy	± 1.5 mm	<ul style="list-style-type: none"> Permanent measurement Area Bluetooth® Smart Leica Disto™ sketch app Illumination of display mm, ft, inch Acoustic signal confirming the measurement 	<ul style="list-style-type: none"> Holster Batteries <p><i>Range and accuracy test according to DIN ISO 16331-1</i></p>
Measuring distance	0.2–60 m		
Laser class	2		
Dust / water protection	IP 54		
Dimensions	120 x 37 x 23 mm		
Weight (with batteries)	92 g		



DISTO D210



- » Easy to use and just right and functional.

TECHNICAL DATA	DISTO D210	FEATURES	SUPPLIED WITH
			ART.-NO. 300011
Distance	0.05–80 m	<ul style="list-style-type: none"> Minimum / maximum Permanent measurement Plus / minus Area / volume Height measurement (Pythagoras) Measurement despite obstructions Stake-out function mm, ft, inch Multi-functional endpiece 	<ul style="list-style-type: none"> Holster Batteries <p><i>Range and accuracy test according to DIN ISO 16331-1</i></p>
Accuracy	± 1.0 mm		
Dust / water protection	IP 54		
Weight	126 g		
Laser class	2		



DISTO X310



- » Solid and versatile, protected against water jets and dust-tight.

TECHNICAL DATA	DISTO X310	FEATURES	SUPPLIED WITH
			ART.-NO. 300012
Distance	0.05–80 m	<ul style="list-style-type: none"> Minimum / maximum Permanent measurement Plus / minus Area / volume Room function summary Height measurement (Pythagoras) Measurement despite obstructions Stake-out function 360° TILT sensor mm, ft, inch Multi-functional endpiece 	<ul style="list-style-type: none"> Holster Hand loop Batteries <p><i>Range and accuracy test according to DIN ISO 16331-1</i></p>
Accuracy	± 1.0 mm		
Dust / water protection	IP 65		
Weight	155 g		
Laser class	2		



DISTO D410

» Colour display, digital pointfinder, TILT sensor: The little brother of the D510.



TECHNICAL DATA	DISTO D410	FEATURES	SUPPLIED WITH
			ART-NO. 822822
Distance	0.05 – 150 m	<ul style="list-style-type: none"> · Minimum / maximum · Permanent measurement · Plus / minus · Area / volume · mm, ft, inch · Indirect height · Room function summary · Measurement despite obstructions · 360° TILT sensor · Bluetooth® smart · Multi-functional endpiece 	<ul style="list-style-type: none"> · Holster · Hand loop · Batteries <p>Range and accuracy test according to DIN ISO 16331-1</p>
Accuracy	± 1 mm		
Laser class	2		
Dust / water protection	IP 65		
Dimensions	143 x 58 x 29 mm		
Weight	198 g		



DISTO D510

» Colour display, digital pointfinder, TILT sensor: Reliable outdoor applications.



TECHNICAL DATA	DISTO D510	FEATURES	SUPPLIED WITH
			ART-NO. 300007
Distance	0.05 – 200 m	<ul style="list-style-type: none"> · Minimum / maximum · Permanent measurement · Plus / minus · Area / volume · Room function summary · Indirect height measurement (Pythagoras) · Measurement despite obstructions · Measurement of facade areas · 360° TILT sensor · Bluetooth® smart 	<ul style="list-style-type: none"> · Holster · Hand loop · Batteries <p>Range and accuracy test according to DIN ISO 16331-1</p>
Accuracy	± 1.0 mm		
Dust / water protection	IP 65		
Weight	198 g		
Laser class	2		



DISTO D810 touch

» Large touchscreen for intuitive use, camera function, measurements inside a picture, Bluetooth® smart.



TECHNICAL DATA	DISTO D810	FEATURES	SUPPLIED WITH
			ART-NO. 300009
Distance	0.05–200 m	<ul style="list-style-type: none"> · Minimum / Maximum · Permanent measurement · Plus / minus · Area / volume · Room function summary · Indirect height measurement (Pythagoras) · Measurements despite obstructions · Measurement of facade areas · Bluetooth® · 360° TILT sensor for measurement of any slope (even overhead) 	<ul style="list-style-type: none"> · Holster · Hand loop · Batteries <p>Range and accuracy test according to DIN ISO 16331-1</p>
Accuracy	± 1.0 mm		
Dust / water protection	IP 54		
Weight	238 g		
Laser class	2		



Electronic Slope Measurers

» Our latest generation of inclinometers with a new enhanced TILT sensor, that offers the following:

- Fast reaction time
- A stable display for improved accuracy
- Improved thermal stability
- Zero position re-set at any position
- Illuminated display

S-Digit mini +

» Electronic inclinometer. Handy-size and accurate. This ensures easy measurement even in the most difficult situations.



TECHNICAL DATA	S-DIGIT MINI +	FEATURES	SUPPLIED WITH
Working range	4 x 90°	<ul style="list-style-type: none"> · Different signal tones when approaching 0° / 90° and continuous tone at 0° / 90° · Inclination direction indication · Zero position re-set at any position · Automatic digit inversion for overhead measurements · HOLD function to freeze measurement · Illuminated display · Magnetic housing · 1/4" thread for camera tripod 	ART.-NO. 610010 <ul style="list-style-type: none"> · Padded bag · Batteries
Resolution	0.1° / 0.1 %		
Accuracy	± 0.1°		
Measuring units	°, %, mm/m, in/ft		
Power supply	3 x AA Alkaline		
Operating time	600 h		
Temperature range	-10 °C – +45 °C		
Weight (incl. Batteries)	0.37 kg		
Size	164 x 60 x 32 mm		

S-Digit multi +

» Electronic inclinometer with a rotatable display for easy reading in many positions.

- 1 Easy reading even from above 2 Integrated laser beam



TECHNICAL DATA	S-DIGIT MULTI +	FEATURES	SUPPLIED WITH
Working range	4 x 90°	<ul style="list-style-type: none"> · Different signal tones when approaching 0° / 90° and continuous tone at 0° / 90° · Inclination direction indication · Zero position re-set at any position · Automatic digit inversion for overhead measurements · 180° rotatable display · Visible laser beam to extend working range · HOLD function to freeze measurement · Illuminated display · Magnetic housing · 1/4" thread for camera tripod 	ART.-NO. 630010 <ul style="list-style-type: none"> · Padded bag · Batteries
Resolution	0.1° / 0.1 %		
Accuracy	± 0.1°		
Measuring units	°, %, mm/m, in/ft		
Working range laser	20 m		
Accuracy laser	± 0.5 mm / 1 m		
Wave length / laser class	650 nm / 2		
Power supply	3 x AA Alkaline		
Operating time	w/o laser 50 h with laser 20 h		
Temperature range	-10 °C – +45 °C		
Weight (incl. Batteries)	0.67 kg		
Size	305 x 60 x 32 mm		



S-Digit 60 +

» Robust slope measurer. Length 60 cm. Incorporated laser beam.

» NEW: Magnetic bottom.

- 1 Clearly visible display – standard or “overhead”
- 2 With laser beam to extend working range



TECHNICAL DATA	S-DIGIT 60 +	FEATURES	SUPPLIED WITH
Working range	4 x 90°	<ul style="list-style-type: none"> · Different signal tones when approaching 0° / 90° and continuous tone at 0° / 90° · Inclination direction indication · Zero position re-set at any position · Automatic digit inversion for overhead measurements · Visible laser beam to extend working range · HOLD function to freeze measurement · Illuminated display · 1/4" thread for camera tripod 	ART.-NO. 620010
Resolution	0.1° / 0.1 %		· Padded bag
Accuracy 0° and 90°	± 0.1°		· Batteries
Accuracy 1° – 89°	± 0.2°		
Measuring units	°, %, mm/m, in/ft		
Working range laser	20 m		
Accuracy laser	± 0.5 mm / 1 m		
Wave length / laser class	650 nm / 2		
Power supply	3 x AA Alkaline		
Operating time	w/o laser 50 h with laser 20 h		
Temperature range	-10 °C – +45 °C		
Weight (incl. Batteries)	0.86 kg		
Size	600 x 60 x 32 mm		



S-Digit 60WL + and S-Digit 120WL +

» Electronic inclinometers for everyday use.



TECHNICAL DATA	S-DIGIT 60WL +	S-DIGIT 120WL +	SUPPLIED WITH
ART.-NO.	640010	640110	<ul style="list-style-type: none"> · Padded bag · Batteries
Working range	4 x 90°	4 x 90°	
Resolution	0.1° / 0.1 %	0.1° / 0.1 %	FEATURES <ul style="list-style-type: none"> · Different signal tones when approaching 0° / 90° and continuous tone at 0° / 90° · Inclination direction indication · Zero position re-set at any position · Automatic digit inversion for overhead measurements · 180° rotatable display · HOLD function to freeze measurement · Illuminated display · 1 or 2 recessed hand grips for ergonomic use
Accuracy	0° and 90° = ± 0.1° 1°–89° = ± 0.2°	0° and 90° = ± 0.1° 1°–89° = ± 0.2°	
Measuring units / Display	°, %, mm/m, in, ft	°, %, mm/m, in, ft	
Power supply	3 x AAA Alkaline	3 x AAA Alkaline	
Operating time	60 h	60 h	
Temperature range	-10 °C – +45 °C	-10 °C – +45 °C	
Weight	0.93 kg	1.2 kg	
Dimensions	600 x 61 x 28 mm	1200 x 61 x 28 mm	

Multi-Digit Pro + All-in-one



» Electronic angle measurer, electronic slope measurer and laser spirit level. Easy and accurate. For measuring angles, inclinations, sloped and plane surfaces.



TECHNICAL DATA	MULTI-DIGIT PRO +	FEATURES	FEATURES
Working range inclination	4 x 90°	<ul style="list-style-type: none"> · Displays angle and inclination simultaneously · Different signal tones when approaching 0° / 90° and continuous tone at 0° / 90° · Inclination direction indication · Zero position re-set at any position · Automatic digit inversion for overhead measurements · Visible laser beam to extend working range · HOLD function to freeze measurement · Illuminated display · Magnetic base · 1/4" thread for camera tripod 	<ul style="list-style-type: none"> · 180° lock to extend the unit to 1 m length · Arm can be locked in any position
Resolution	0.1° / 0.1%		
Accuracy inclination 0° and 90°	± 0.1°		
Accuracy inclination 1° – 89°	± 0.2°		
Measuring units	°, %, mm/m, in/ft		
Working range angle	0° – 180°		
Resolution	0.1° / 0.1 %		
Accuracy angle	± 0.1°		
Working range laser	20 m		
Accuracy laser	± 0.5 mm / 1 m		
Wave length / laser class	650 nm / 2		
Power supply	3 x AA Alkaline		
Operating time	w/o laser 48 h with laser 20 h		
Temperature range	-10 °C – +45 °C	SUPPLIED WITH ART.-NO. 600010 <ul style="list-style-type: none"> · Padded bag · Batteries 	
Weight (incl. Batteries)	1.3 kg		
Size	520 x 63 x 30 mm		
Unfolded length	1000 mm		



A-Digit 50 and 75

» Robust electronic angle measurer made of anodized aluminium.



TECHNICAL DATA	A-DIGIT 50 AND 75	FEATURES	A-DIGIT 50
Measuring range	0° – 225°	<ul style="list-style-type: none"> · Angle measurement · Supplement angle · Easy mitre angle · Compound angle mode · Available in length of 50 cm and 75 cm 	ART.-NO. 650050 <ul style="list-style-type: none"> · Padded bag · Batteries
Digital angle accuracy	± 0,1°		
Resolution	0.05°		
Accuracy of vials	0.057° (1 mm / m)		
Operation temperature	-10 °C – + 50 °C		
Power supply	2 x AAA batteries		
Operation time	100 h		
Length unfolded A-Digit 50	991 mm		A-DIGIT 75 ART.-NO. 650075 <ul style="list-style-type: none"> · Padded bag · Batteries
Length unfolded A-Digit 75	1410 mm		
Weight A-Digit 50 (A-Digit 75)	0.9 kg (1.1 kg)		

Spirit Level M-Level ECO

Bamboo spirit level – strong, durable, tough and sustainable

- » · Particularly suitable for sensitive surfaces such as window sills, marble, granite, wood, etc.
- Despite being categorized as a “Wood Level”, bamboo is actually grass, not wood
- Bamboo is the fastest growing plant on earth, with a tensile strength comparable to steel



1 Measurements are done via contact of Bamboo surface to measurement area. Metallic rails are only stabilizing the spirit level and do not get in contact with the measurement area.



TECHNICAL DATA	M-LEVEL ECO	FEATURES	ART.-NO. M-LEVEL ECO
Profile (cross-section)	62 x 30 mm	<ul style="list-style-type: none"> · Strong, durable, laminated bamboo frame · Flush mounted protective metal buildings · Solid block acrylic vials won't fog, leak or break · Top-read window maximizes readability · 2 frame openings for optimized handling · Shock absorbing rubber end caps protect frame · Lifetime accuracy warranty 	M-Level 60 ECO 60 cm 660000
Accuracy	≤ 1 mm / m		M-Level 120 ECO 120 cm 660010
Vial(s) horizontal	1		
Vial(s) vertical	2		

Spirit Level M-Level ALU

Extremely robust aluminium spirit level for professionals

- » Precision milled measuring surfaces assure high frame accuracy
- Ergonomic handling
- For all areas of the craft



TECHNICAL DATA	M-LEVEL ALU	FEATURES	ART.-NO. M-LEVEL ALU
Profile (cross-section)	58 x 28 mm	<ul style="list-style-type: none"> · Robust aluminium profile with reinforcing ribs · Powder-coated profile, 2 milled measuring surfaces · Solid block acrylic vials won't fog, leak or break · Top-read window maximizes readability · 2 rubberized frame openings for optimized handling · Shock absorbing rubber end caps protect frame · Lifetime accuracy warranty · M-Version with 2 rare-earth magnets at bottom measuring surface 	M-Level 40 ALU 40 cm 660100
Accuracy			M-Level 60 ALU 60 cm 660105
Normal position	0.75 mm / m		M-Level 80 ALU 80 cm 660110
Other positions	0.75 mm / m		M-Level 100 ALU 100 cm 660115
Vial(s) horizontal	1		M-Level 120 ALU 120 cm 660120
Vial(s) vertical	2		M-Level 150 ALU 150 cm 660125
			M-Level 200 ALU 200 cm 660130
			ART.-NO. M-LEVEL ALU MAGNETIC
			M-Level 40 M ALU 40 cm 660135
			M-Level 60 M ALU 60 cm 660140
			M-Level 100 M ALU 100 cm 660145

Spirit Level M-Level TPZ

Aluminium die-cast spirit level

- » · High torsional stiffness, very robust
- Trapezium shape
- For all areas of the craft



TECHNICAL DATA	M-LEVEL TPZ	FEATURES	ART.-NO. M-LEVEL TPZ
Accuracy		<ul style="list-style-type: none"> · High-quality aluminium die-cast profile, powder-coated · 1 milled measuring surface · Solid block acrylic vials won't fog, leak or break 	M-Level 40TPZ 40 cm 660200
Normal position	0.75 mm / m		M-Level 60TPZ 60 cm 660205
Other positions	0.75 mm / m		M-Level 80TPZ 80 cm 660210
Vial(s) horizontal	1		M-Level 100TPZ 100 cm 660215
Vial(s) vertical	2		