

MEASURING SYSTEMS



Measuring Systems



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Calibration Service



Profis Detection

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SAVING TIME IS EASY WITH HILTI MEASURING SYSTEMS

Find the right tool for the right task

Applications	Systems
	Laser Range Meters <ul style="list-style-type: none"> Distance Area Volume  
	Multidirectional Lasers <ul style="list-style-type: none"> Levelling Aligning Plumbing Squaring    
	Rotating Lasers <ul style="list-style-type: none"> Levelling Squaring Aligning Slope     
	Detection Systems <ul style="list-style-type: none"> Verifying reinforcement Checking coverage Detecting embedded objects in walls/floors  

UNLEASHING FULL MEASURING POWER

Hilti Pulse Power



Unique measuring performance

Extremely fast. Extremely reliable.

Forget what you know about measuring technologies.

Hilti Pulse Power works with up to 1 million impulses per second allowing for highly reliable readings even under the most difficult conditions.

Pulse Power is yet another demonstration of Hilti's Innovative ability and foresight. The challenge of achieving even greater reliability and efficiency in various measuring and alignment tasks has been met very convincingly. The advantages of Hilti Pulse Power are now available with a comprehensive product portfolio. Hilti, once more, impressively substantiates the power of innovation.

PULSE III POWER

Rotating Lasers



Catch the Beam in one pass

On a bright, sunny day, the task of transferring reference heights over moderate distances can often become a tedious process due to difficulty in locating the rotating laser beam. Not with Hilti Pulse Power! Thanks to the high-frequency pulses of the laser beam, a single pass of the rotating laser beam over the receiver is all that is needed for immediate location of the line.

Line and Combilasers



Visibility without compromise

The Hilti PM 2-L line laser and the PM 4-M and the PM 40-MG multi-line laser feature outstanding visibility of the lines they project whether working with or without receiver.

Range Meters



Top measuring performance

Thanks to Hilti Pulse Power, accurate, reliable readings can now be taken even under the most unfavorable conditions such as in bright sunlight. Hilti Pulse Power makes trouble-free measurements of distances up to 100 meters possible without need for a target plate-overachieved efficiently with only one person.

Detection Systems



Trustworthy detection

For the objects distributed under the wall, it's not always as "neat" as expected. With Pulse Power, more than 1000 pulses are excited from the detector, so that more signals can be collected for calculation, which results in highest accuracy and reliable object detection.

Laser range meter PD-S NEW



APPLICATIONS

- Measuring distances from 0.02m-60m quickly and accurately
- Measuring distances and heights where traditional measuring methods fail
- Measuring long distances and heights in a one-man operation
- Measuring areas to calculate paint, flooring or concrete quantities

ADVANTAGES

- Simple and intuitive to use
- Compact design fits in every pocket
- Protected against dirt, dust and splashing water
- Rugged and durable – made for construction sites
- LCD display with backlight



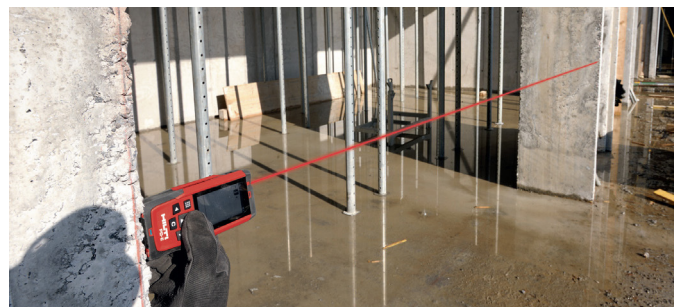
Technical data	
Measuring range	0.02m-60m
Accuracy	±1.5 mm
Automatic switch-off	Yes
Measuring functions	Single and continuous measurement
Data memory	Last 2 measurements
Laser class	< 1 mW, 635 nm, Class 2 (IEC 60825-1:2008), Class II (FDA CFR 21 art.1040)
IP protection class	IP 054
Battery type	2 x 1.5 V (AAA)
Operating time with alkaline battery	10000 measurements
Weight with batteries	95g
Dimensions (LxWxH)	115 x 37 x 22 mm



Ordering designation	Package contents	Sales pack quantity	Item number
PD-S	1 x Laser range meter PD-S, 1 x Battery AAA(2) alkaline	1 pc	2190182

Please visit Hilti website for the latest item numbers and related products

Laser range meter PD-E



APPLICATIONS

- Measuring quickly and safely in places where access is difficult
- Measuring surface areas for quotations in renovation work
- Determining the length or height of objects that cannot be directly accessed (remote measurement)
- Measuring long distances using outdoor mode
- Measuring heights from floors to ceilings in a one-man operation

ADVANTAGES

- The outdoor display is readable even in very bright sunlight
- LEDs provide clear identification of the measuring reference and thus help avoid measuring mistakes
- Built-in 360° tilt sensor for various application possibilities
- Built-in optical viewfinder for outdoor measurements
- Measuring functions are aided by the graphic display
- Easier targeting and quick, reliable measurements



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product
design award

2014



reddot award 2014
winner



Technical data

Measuring range	0 m - 200 m
Accuracy	±1 mm
Automatic switch-off	Yes
Measuring functions	Single and continuous measurement, Outdoor mode, Digital level
Calculation functions	Addition, Subtraction, Area, Volume, Painters area, Setting out, min/max, Timer, Offset, Memory (30x), Trapezoid (2x), Pythagoras (3x), Indirect measurement (4x)
Data memory	Last 30 measurements / graphical calculation result
Laser class	< 1 mW, 635 nm, Class 2 (IEC 60825-1:2007), Class II (FDA CFR 21 art.1040)
IP protection class	IP 65 (EN 60529)
Battery type	2 x 1.5 V (AAA)
Low battery indication	Yes
Operating time with alkaline battery	5000 measurements
Weight with batteries	165 g







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Ordering designation	Package contents	Sales pack quantity	Item number
PD-E	1x Laser range meter PD-E, 1x Battery AAA (2) alkaline, 1x Hand strap, 1x Toolbag PDA 65	1 pc	2061409

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Accessories for Laser Range Meters

		PD-S	PD-E		
Ordering designation				Sales pack quantity	Item number
Laser visibility glasses PP EY-GU R red Lens: PC material, thickness 2.1 mm, Supravision HC-AF coating, filter: 2C-1.2, impact energy: 45m/s, surface resistance to fine particles: K, antifog: N		■	■	1 pc	2065448
Target plate PDA 51 Standard target plate Dimensions: 130 x 120 mm, white		■	■	1 pc	202414 ¹⁾
Target plate PDA 52 Increases measuring range over long distances and in unfavourable lighting conditions Dimensions: 210 x 297 mm, black		■	■	1 pc	226879 ¹⁾
Measuring Extension PDA 72			■	1 pc	2062052

¹⁾ For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Line laser PM 2-L



APPLICATIONS

- Transferring reference heights
- Leveling suspended ceilings
- Leveling electric sockets, cable trays, radiators and pipe installations
- Leveling and aligning doors and windows
- Aligning pipes vertically

ADVANTAGES

- Horizontal and vertical line with a large fan angle to cover a large working area
- Rubber-coated housing and pendulum lock for higher robustness
- Selectable independent or simultaneous laser lines for horizontal and vertical alignment applications



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Technical data

Accuracy	±3 mm at 10 m
Automatic switch-off	Yes
Battery type	4 x 1.5 V (AA)
Dimensions (LxWxH)	107 x 65 x 95 mm
IP protection class	IP 54 (IEC 529)
Laser class	< 1 mW, 635 nm, Class 2 (IEC 60825-1:2008), Class II (FDA CFR 21 art.1040)
Laser functionality	Level, Align
Low battery indication	Yes
Max. operating distance	10 m (Lines), 30 m (Lines, with receiver)
Operating temperature range	-10 - 50 °C



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Ordering designation	Package contents	Sales pack quantity	Item number
PM 2-L	1x Line laser PM 2-L, 2x Battery AA (2) alkaline, 1x Bag	1 pc	2047045

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Multi-line laser PM 30-MG NEW



APPLICATIONS

- Setting out plasterboard studwork on floors, walls, ceiling
- Suspended ceiling alignment
- Transferring reference heights
- Vertical alignment of pipes and cables
- Levelling electric sockets, cable trays, radiators and pipe installations

ADVANTAGES

- The compactest tool for precise and fast 360° aligning, levelling and squaring
- Compact eccentric design with fine adjustment for easy squaring and fast set up
- Rechargeable B12 Li-ion battery allows up to 1.5 days of continuous layout work
- Out-of-level and low battery alerts help to prevent mistakes and unexpected downtime
- Laser class 2 – no special precautionary measures needed

Technical data

Accuracy	±3 mm at 10 m
Max. operating distance (diameter) ¹⁾	40 m (lines), 100 m (lines, with receiver)
Self-levelling range at room temperature	-4.0 °/ +4.0 °
Self-levelling time	3 s
Horizontal fan angle	360 °
Vertical fan angle	360 °

¹⁾ Operating distance can be significantly affected by site conditions. See operating instructions.

These are abbreviated instructions which may vary according to the application. Always read and follow the full instructions accompanying the product or refer to the downloads section of your local Hilti Web site.

Multi-line laser with 3 green 360° lines for plumbing, levelling, aligning and squaring



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Ordering designation	Package contents	Sales pack quantity	Item number
PM 30-MG	1x Multi line laser PM 30-MG, 1x Tool case PM 30-MG assy	1 pc	2227740

Please visit Hilti website for the latest item numbers and related products

Multi-line laser PM 40-MG **NEW**



APPLICATIONS

- Setting out drywall tracks on floor, ceiling and wall for partitioning
- Transferring reference heights
- Vertical alignment of pipes
- Levelling electric sockets, cable trays, radiators and pipe installations
- Levelling and aligning doors and windows

ADVANTAGES

- Projects clear, 3D vertical lines with a cross on the ceiling
- Rotates around the center point for fast, easy alignment
- Fine adjustment knob for precise alignment



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winner



Technical data

Max. operating distance	20 m (Lines), 50 m (Lines, with receiver)
Horizontal side fan angle	360 °
Accuracy	±2 mm at 10 m
Automatic switch-off	Yes, after 60 mins
Battery type	B 12/2.6 Li-ion
Dimensions (LxWxH)	124 x 124 x 187 mm
IP protection class	IP 54 (IEC 529)
Laser class	Class 2, 520 nm, reference part - 630 nm
Laser functionality	Square, Level, Align, Plumb
Low battery indication	Yes
Laser Class	Class II Green (EN 60825)



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Ordering designation	Package contents	Sales pack quantity	Item number
PM 40-MG	1x Multi line laser PM 40-MG, 1x Case	1 pc	2152386
PM 40-MG system (110V)	1x Multi line laser PM 40-MG, 1x Battery B 12/2.6Ah, 1x Charger C 4/12-50 110V	1 pc	3579733
PM 40-MG system (230V)	1x Multi line laser PM 40-MG, 1x Battery B 12/2.6Ah, 1x Charger C 4/12-50 230V	1 pc	3579622

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Accessories for Multi-Directional Lasers

		PM 2-L	PM 30-MG	PM 40-MG		
Ordering designation					Sales pack quantity	Item number
Laser visibility glasses PP EY-GU R red Lens: PC material, thickness 2.1 mm, Supravision HC-AF coating, filter: 2C-1.2, impact energy: 45m/s, surface resistance to fine particles: K, antifog: N		■			1 pc	2065448
Target plate PRA 50 (CM) Significantly improves the visibility of the red laser beam The magnetic target plate attaches perfectly to the metal frame, freeing both hands for easy levelling of the suspended ceiling		■			1 pc	285415 ¹⁾
Target plate PRA 54			■	■	1 pc	226976
Wall mount with magnetic bracket PMA 85 For mounting the tool on perimeter trim or on magnetic surfaces for suspended ceiling applications		■		■	1 pc	2160374
Floor track adapter For mounting the tool to dry wall frame			■	■	1 pc	2160375
Magnetic bracket PMA 89			■	■	1 pc	2227008
Wall mount with magnetic bracket PMA 90			■	■	1 pc	2227009
Tripod PMA 20 Adjustable in height from 0.42 m to 1.2 m		■	■	■	1 pc	411287
Laser receiver PMA 31		■			1 pc	411288
Laser receiver PMA 31G			■	■	1 pc	2152388
Battery pack B 12/2.6 Li-Ion			■	■	1 pc	2077976
Battery pack B 12/4.0 Li-Ion			■	■	1 pc	2183144
Battery 12V charger C 4/12-50 110V			■	■	1 pc	2076995
Battery 12V charger C 4/12-50 230V			■	■	1 pc	2076994

Please visit Hilti website for the latest item numbers and related products

Rotating laser PR 3-HVSG A12



APPLICATIONS

- Levelling (suspended ceilings, transferring heights)
- Squaring (walls, partitions)
- Aligning (pipe runs and cable trays)

ADVANTAGES

- Provides four times better visibility thanks to the latest Laser Class 2 green diode technology – with no loss of performance
- Built to last – equipped with newly designed shock-absorbing handles and rugged IP 64 protected housing for maximum reliability in the toughest jobsite environments (MIL-STD-810G)
- Single-button operation makes the tool extremely easy to use
- The lithium-ion battery, featuring CPC technology for unique power management, charges within 35 minutes



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Technical data

Tripod thread diameter	5/8 in
Accuracy	±1 mm at 10 m
Battery type	B 12/2.6 Li-ion
Dimensions (LxWxH)	200 x 200 x 230 mm
IP protection class	IP 56 (IEC 529)
Laser functionality	Horizontal levelling, Vertical aligning, One 90° laser beam (green), Manual slope
Max. operating distance with laser receiver (diameter)	150 m
Operating range with laser receiver (diameter)	2 - 150 m
Operating temperature range	-10 - 50 °C
Operating time	16 h



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Ordering designation	Package contents	Sales pack quantity	Item number
PR 3-HVSG A12	1x Rotating laser PR 3-HVSG A12, 1x Remote control, 1x Target plate PRA 54, 1x Battery AA (2) alkaline, 1x Case	1 pc	2149766
PR 3-HVSG A12 (110V)	1x Rotating laser PR 3-HVSG A12, 1x Remote control, 1x Target plate PRA 54, 1x Battery AA (2) alkaline, 1x Battery pack B 12/2.6 Li-Ion, 1x Battery Charger C 4/12-50 110V, 1x Laser receiver PRA 20G, 1x Case	1 pc	3579619
PR 3-HVSG A12 (230V)	1x Rotating laser PR 3-HVSG A12, 1x Remote control, 1x Target plate PRA 54, 1x Battery AA (2) alkaline, 1x Battery pack B 12/2.6 Li-Ion, 1x Battery Charger C 4/12-50 230V, 1x Laser receiver PRA 20G, 1x Case	1 pc	3552703

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Outdoor rotating laser PR 30-HVS A12 NEW



APPLICATIONS

- Horizontal levelling – formwork, concrete pours, excavation, etc.
- Vertical aligning – transferring building lines, aligning columns, façades
- Slope / inclination grading – ramps, car parks, pipes
- Squaring – formwork

ADVANTAGES

- When used with the PRA 30 remote control/laser receiver, the Hilti PR 30-HVS rotating laser is a complete, more reliable outdoor layout tool for virtually any levelling, aligning and squaring tasks
- Built to maintain laser accuracy in rough jobsite conditions – engineered to US Military standards (MIL-STD-810G) with head-mounted bumpers, four shock-absorbing handles and IP66 protected housing
- Cordless battery platform – uses the same Li-ion batteries, which charge with 35 minutes, as all your other 12V Hilti power tools
- Auto-alignment – makes aligning your rotating lasers a fast, one-person task even from up to 150 m (490 ft.) away
- Digital slope entry and inclination alignment (e-targeting) simplify grading tasks

Layout tasks

Horizontal levelling
Vertical alignment
Grading
Squaring

Technical data

Accuracy	±0.5 mm at 10 m
Cordless Power Care	Yes
Hilti Connect	Yes
Inclination setting X-axis - max.	+8.6 %
Inclination setting X-axis - min.	-15 %
Inclination setting X-axis - range	-15 - 8.6 %
Laser class	<4.85 mW, 620-690 nm, Class 2 (EN 60825), Class II (FDA CFR 21 art. 1040)
Laser class	<4.85 mW, 620-690 nm, Class 2 (IEC 60825-1:2007), Class II (FDA CFR 21 art. 1040)
Layout tasks	Horizontal levelling, Vertical alignment, Grading, Squaring
Maximum operating time	16 h
Operating range with laser receiver (diameter)	2 - 500 m
Operating temperature range	-20 - 50 °C
Proactive Service Alert Required	Yes
Pulse power	Yes
Rotation speed	600 rpm
Self-levelling range at room temperature	±5 °
Voltage	12 V
Work environment	Exterior



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Ordering designation	Package contents	Sales pack quantity	Item number
Rotating laser PR 30-HVS A12	Rotating laser PR 30-HVS (02) x1, Remote contr./laser rec. PRA 30 x1, Battery AA (2) alkaline x2, Laser receiver holder PRA 83 x1, Case PR 30-HVS A12 x1	1 pc	2134763

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Tripod PRA 90 **NEW**



Technical data

Max. Height	1900 mm
Min. Height	900 mm
Tool type	Tripod for rotating laser





































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Ordering designation	Package contents	Sales pack quantity	Item number
Kit PRA 90 Full Package	1x Tripod PRA 90, 1x Battery pack PRA 84 ROW assy, 1x Mains adapter PUA 81 (02)	1 pc	3760436
Tripod PRA 90	Tripod PRA 90 x1	1 pc	2017478

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Accessories for Rotating Lasers

Ordering designation		PR 3-HVSG A12	PR 2-HS A12	Sales pack quantity	Item number
Laser Receiver PRA 20 Receiver with millimetre display for digital measurement allows easy, accurate detection of the rotating laser beam within a circular area up to 600 m in diameter				1 pc	2071120
Laser Receiver PRA 20G Receiver with millimetre display for digital measurement allows easy, accurate detection of the rotating laser beam within a circular area up to 150 m in diameter				1 pc	2106071
Laser receiver holder PRA 83				1 pc	2071084
Height transfer device PRA 81				1 pc	368627 ¹⁾
Measuring rod PUA 53 Metal foot plate, adjustable in height from 0.88 m to 5 m				1 pc	2107220
Tripod PUA 25 (Small tripod) Tripod with 5/8" tread, adjustable in height from 1.0 m to 1.68 m. 3.6 kg in weight				1 pc	2107119
Crank tripod PA 931 (Large tripod) Tripod with 5/8" tread, adjustable in height from 0.78 m to 2.88 m. 8 kg in weight				1 pc	315998 ¹⁾
Slope adapter PRA 79 For setting inclinations up to 60%				1 pc	2071083
Facade adapter PRA 760				1 pc	435439 ¹⁾
Battery pack B 12/2.6 Li-Ion				1 pc	2077976
Battery 12V charger C 4/12-50 110V				1 pc	2076995
Battery 12V charger C 4/12-50 230V				1 pc	2076994

¹⁾ For detailed stock availability and lead time information please contact your Hilti representative.

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Wall scanner PS 85 **NEW**

APPLICATIONS

- Locating embedded objects for hit prevention when drilling, coring, cutting or slitting (up to 85 mm depth, depending on material) on the wall
- Estimating the material and size of hidden objects – multiple sensors for rebar, live wires, wooden substructures, metal and plastic pipes
- Equipped to scan through concrete (wet and dry), brick, plaster-board and tiles
- Locating embedded objects for hit prevention when drilling, coring, cutting or slitting (up to 3-3/8" depth, depending on material) on the wall

ADVANTAGES

- Versatile and user-friendly wall scanner to help you avoid damage caused by drilling in the wrong place
- Easier to use – large display, efficient menus and the option to export scan data via SD card
- Upgraded ergonomics – light with large handle to keep the tool firmly in your grip
- Built to last – shock- and dust- resistant to better withstand construction site conditions
- Hilti battery platform – power this wall scanner using the same Li-ion batteries (2.6 and 4.0 Ah) as all your other Hilti 12V cordless tools

Technical data

Application	Locating objects, Avoiding hitting objects, Through drilling / coring
Application temperature - max.	50 °C
Application temperature - min.	-10 °C
Base material	Concrete, Brick, Drywall, Hollow brick
Data memory (scanner)	Approx. 200 scans (SD) approx. 10 scans (internal flash memory)
Dimensions (LxWxH)	264 x 115 x 100 mm
Height	100 mm
Hilti Connect	Yes
IP protection class	IP 5 (EN 60529)
Length	264 mm
Localisation accuracy ¹⁾	5 mm to 10 mm (+/-)
Max. detection depth for object localization	85 mm
Maximum operating time	8 h
Minimum distance between two neighbouring objects	40 mm
Weight with batteries	1 kg
Width	115 mm
Working temperature range	-10 - 50 °C

¹⁾ Performance and accuracy can be significantly affected by site conditions. See operating instructions.



Calibration Service



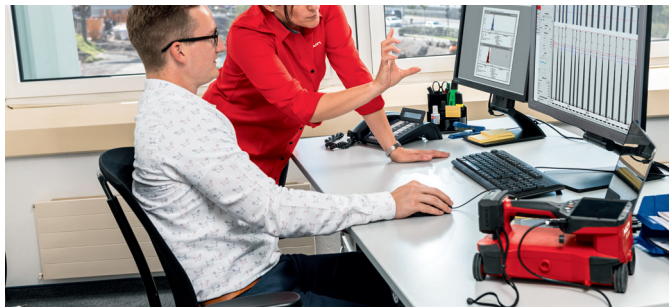
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Ordering designation	Package contents	Sales pack quantity	Item number
PS 85	1x Scanner PS 85, 1x Marker pen PUA 70, 1x Hand strap, 1x Tool case PS 85 assy	1 pc	2286694

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Ferrosan system PS 300 **NEW**



PS 300 Ferrosan is a non-destructive concrete analysis tool with a user-friendly interface, used for large-scale structural analysis and locating rebar

APPLICATIONS

- Rebar verification and analysis including locating rebar, measuring depth of concrete cover and estimating rebar size
- Checking concrete cover over large areas for structural repair work
- Building acceptance inspections and quality control
- Generation of structural assessment reports including statistics and visual presentation in 2D/3D views of areas
- Helps avoid costly rebar hits and damage caused by cutting through structurally significant reinforcement when coring and drilling

ADVANTAGES

- Integrated 5 inch touchscreen provides rebar layout visuals in top view and sectional view for on-the-spot structural analysis, depth of cover assessment and rebar size estimation
- Smart algorithm helps accurate depth measurements for rebar
- Wide sensor area enables quick and easy scan over large areas
- Record scan data for documentation and structural analysis
- Data can be transferred to PROFIS Detection software for further analysis in both 2D and 3D or sharing in various formats

Technical data

Max. detection depth for rebar	Up to 200mm
Accuracy of depth measurement for rebar¹⁾	± 1 mm at 50 mm
Localisation accuracy¹⁾	±3 mm +1% scanning distance
Minimum distance between two neighbouring objects	30 mm
Type of scan	Quickscan, Quickscan recording, and Imagescan
IP protection class	IP 54 (IEC 529)
Dimensions (scanner)	284 x 163 x 154 mm
Data memory (scanner)	200 - 500 scans
Data Storage	4GB
Software	PROFIS Detection

¹⁾ Performance and accuracy can be significantly affected by site conditions. See operating instructions.



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Ordering designation	Package contents	Sales pack quantity	Item number
PS 300 Ferrosan System	1 x PS 300 Ferrosan Kit, 1 x PROFIS Detection Software	1 pc	3626667
PS 300 Ferrosan Kit	1 x PS 300 Scanner, 2 x Battery 12/2.6, 1 x Battery Charger 230V, 1 x PSA 63 Hand Strap, 1 x PSA 97 Data Module, 1x PSA 54 Data Cable, 5 x Reference grid PSA 12 (mm, 600x600), 1 x PSA 75 Brush in Tubular pack, 1 x PUA 90 Adhesive Tape, 1 x PUA 70 Marker Set, 1 x Cleaning Cloth, 1 x PS 300 Instruction Manual, 1 x Producer Certificates (1page), 1 x PS300 Tool case, 1 x NFC sticker	1 pc	3626665

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X-Scan system PS 1000



APPLICATIONS

- Locating rebars, tendons, metal and plastic conduits, glass-fibre cables, voids and wood in dry concrete structures at depths of up to 300 mm
- Minimizes the risk of hitting concealed objects when drilling anchor holes or through holes, breaking out openings and in diamond coring and sawing work
- Rebar extension (post-installed rebar connections) in structural applications
- Inspection of floors, decks, slabs, balconies, etc. in structures such as tunnels, bridges and buildings
- Detection of voids and cavities
- Quality assessment and checking reinforcement and tensioning cables

ADVANTAGES

- Provides a real-time view of the inside of concrete structures and generates true images automatically for direct on-site evaluation of scan data by the user - no expert skills required
- Features three scan modes for specific applications: Quickscan detection, Quickscan recording and Imagescan (2-D and 3-D data visualization with top view and cross sectional views)
- Compact all-in-one hand-held design offers easy, user-friendly operation, quick start-up for speed of use plus unmatched data visualization
- Displays a top view of the scan for easy object mapping plus cross sections in both directions for easy identification of multiple layers in concrete structures
- Powerful monitor unit for in-depth, on-site scan analysis plus PC software for subsequent data evaluation and documentation
- Reduces risks by helping locate suitable places to cut or drill - hundreds of square metres of concrete can be inspected in a day

Technical data

Accuracy of depth indication ¹⁾	<100 mm: ±10 mm; >100 mm: ±15 %
Localisation accuracy ¹⁾	±10 mm
Minimum distance between two neighbouring objects	40 mm
Type of scan	Imagescan, Quickscan detection, Quickscan recording
IP protection class	IP 54 (IEC 529), Battery IP 56
Dimensions (monitor)	292 x 208 x 65 mm
Dimensions (scanner)	318 x 190 x 143 mm
Automatic power-off (monitor)	Configurable
Automatic power-off (scanner)	Configurable
Automatic switch-off	Configurable

¹⁾ Performance and accuracy can be significantly affected by site conditions. See operating instructions.



Calibration Service



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Ordering designation	Package contents	Sales pack quantity	Item number
PS 1000 X-Scan System	1x PS 1000 X-Scan Kit, PROFIS Detection software	1 pc	3636152
PS 1000 X-Scan Kit	1x X-Scan PS 1000, 1x Hand strap PSA 63, 2x Battery pack PSA 81, 1x Mains adapter PUA 81, 5x Reference grid PSA 12, 2x Reference grid PSA 14, 1x Adhesive tape PUA 90, 2x Marker pen set PUA 70, 1x Memory card PSA 95, 1x Card reader PSA 96, 1x Torque wrench PSW 1000-3, 1x Case PS 1000	1 pc	2154110
PS 1000 X-Scan Full System with Display	1x PS 1000 X-Scan Kit, PROFIS Detection software, 1 x PSA 200 tablet	1 pc	3639510

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Layout system PLT 300



APPLICATIONS

- Laying out 2D and 3D positions on the jobsite
- Laying out formwork, positions for excavation and fastening points on floors and ceilings
- Laying out single and dual slopes
- Laying out and transferring building control lines
- As-built measurement of existing features
- Real-time area and volume calculations

ADVANTAGES

- Automatic tilt compensation – no need for manual leveling
- One-person layout and measuring
- Green laser point for high visibility
- Battery compatible with the Hilti cordless tool platform: uses the standard Hilti 2.6 Ah battery
- Automatic stationing on the jobsite for quick setup
- Single-button startup

Technical data	
Single measurement accuracy	3mm @ 50m (ISO 17123-5)
Measurement range	1.5m – 100m
Targeting distance	100m
Layout distance	50m
Magnification	5 x
IP protection class	IP 55 (IEC 529)
Shortest target distance	1.5 m
Operating temperature range	-20 - 50 °C
Compensator type	2-axis
Weight	5.31 kg
Dimensions (LxWxH)	215 x 175 x 330 mm
Laser Class	Class II Green



Ordering designation	Package contents	Sales pack quantity	Item number
PLT 300 A22	1x Layout tool PLT 300, 1x Case	1 pc	2115930
Kit PLT 300 Layout system	1 x Layout tool PLT 300-A22, 1 x Controller PLC 400, 2 x Battery pack B 22/2.6 Li-ion, 1 x Battery charger C 4/36-90 230V box, 1 x Accessory kit POA 56, 1 x Bipod POA 75, 1 x Field calibration target POA 31, 1 x Frame clamp POA 79, 1 x Layout field PRO ROW, 1 x Prism POA 25, 1 x Reflector rod POA 52, 1 x Reflector rod POAW 50 adapter, 1 x Target plate POA 26 (5) square, 1 x Tripod PMA 20, 1 x Tripod PUA 36	1 pc	3594382

Please visit Hilti website for the latest item numbers and related products

Hilti calibration service (in testing laboratory)



APPLICATIONS

Consistently reliable measuring results for all Hilti measuring tools.

- Rotating Laser
- Multidirectional Laser
- Laser range meter
- Detection tools

Hilti Calibration Service



Calibration Service

Retrieval, adjustment, certification and return transport of the measuring tool through the Hilti Calibration Service.

As good as new - with the Hilti Calibration Service.

In spite of being built extremely durable, Hilti measuring tools, may, as with all precision tools, experience irregularities as result of the harsh atmosphere of everyday use on construction sites, differing storage conditions or other external influences and factors.

Construction professional can always trust their Hilti measuring tools with the Hilti Calibration Service. Regular checking ensures the reliability according to standards and legal requirements. Hilti recommends a regular calibration of every tool if subject to normal use. If irregularities are discovered, the tool is adjusted to ensure it functions as precisely and reliably as ever. Hilti guarantees it-with a calibration certificate that attests that the tool meets specifications, and with a corresponding sticker that shows the date of the most recent calibration.

- Regular calibrating of Hilti laser measuring tools
- Retrieval, checking, adjustment, certification and return transport of the tool around 2 weeks professional service from a single provider
- Reliability in audits
- Service certificate and inspection sticker (ISO 900X)
- Reliable measuring results at all times
- The highest precision

Calibration Label

2011	2012	2013
1		12
2	CALIBRATION SERVICE	11
3		10
4	5	6
	7	8
		9

Service certificate and dated inspection plate (ISO 900X) confirm that the measuring tool again functions precisely and reliably.

Service certificate

Can be issued for all products over the entire lifespan of the product concerned.

Service certificate without test results

Ordering designation	Item number
Service certificate I – PL/PA/POL	00431148
Service certificate I – PD	00431157
Service certificate I – PM/PML/PMP/PMC	00431158
Service certificate I – PS	00431159
Service certificate I – PR/PRE/PRI	00431160
Service certificate I – Ferrosan/PS 1000	00431161

Service certificate with test results

Ordering designation	Item number
Service certificate II – PL/PA/POL	00431163
Service certificate II – PD	00431164
Service certificate II – PM/PML/PMP/PMC	00431165
Service certificate II – PS	00431166
Service certificate II – PR/PRE/PRI	00431167
Service certificate II – Ferrosan/PS 1000	00431168

Please visit Hilti website for the latest item numbers and related products

PC data processing software for Ferrosan and X-Scan detection systems PROFIS



APPLICATIONS

- Non-destructive inspection and analysis of concrete structures, creation of assessment reports and documentation for structural analysis and as-built checks
- Scan positions can be labeled with building coordinates and exported for accurate scan placement in design files or repositioned later on-site with layout tools
- Allows export of scan data for use with popular design applications such as AutoCad, Trimble SketchUp and many more
- Evaluation of structural layout to minimize potential for damage when drilling, coring or sawing – structural information also allows more accurate communication and tightens up bidding projects on jobs based on what operators find in the area
- Exporting X3D scan files for import into PROFIS Anchor, thus allowing conflict-free anchor and base plate design

ADVANTAGES

- Full data processing from raw data to 3D models, including 2D and 3D plan views or cross-sectional images
- Various calculation and visualization parameters enables comprehensive evaluation and analysis
- Easy creation of assessment reports and documentation in Microsoft Word, PDF or HTML format
- Data export in various formats – 2D (BMP, JPG, ...) and 3D (DXF, COLLADA, PLY, X3D, ..)
- Three-sensor data overlay – radar, EM and Ferrosan for easy target object classification and depth calibration

Technical data

Supported operating system	Windows 7, Windows 8, Windows 10
Security and authorizations	Hilti-signed software
CPU requirements	2GHz or faster x86-compatible processor
Minimum disc space required	250 MB
Memory (RAM) requirements	2 GB
Graphic card requirements	OpenGL 3.2 support

Ordering designation	Sales pack quantity	Item number
Detection office	1 pc	2173253

