INNOVATIVE SOLUTIONS FOR CONCRETE SCANNING

X-Scan PS 1000
Ferroscan PS 250

PROFIS SOFTWARE

- Real-time measurement
- Analysis and reporting
- Export of files to other software
- Integration with other Hilti systems
- Reporting and documentation

PROFIS DETECTION HIGHLIGHTS

- A fully automated process
- Various analysis features and reports
- Advanced processing and visualization
- Comprehensive evaluation and analysis

PROFIS FERROSCAN MAP

- Enables the creation of maps with Ferroscan data overlay in 2D and 3D
- 3D data export in different formats
- EM sensor activation and overlay in various formats
- Provides a clear overview of areas up to 300 mm

INNOVATION FOR CONCRETE SCANNING

- Ferroscan PS 1000: Ultrasonic scanner for concrete cover, reinforcement and material diameter, spacing and localization
- X-Scan PS 1000: Data to be used for other Hilti products, faster documentation of depth for users

ORDER INFORMATION

- X-Scan PS 1000: High-resolution, highly accurate 3D scanner
- Battery pack PSA 81: Battery pack for X-Scan PS 1000
- Battery pack PSA 80: Battery pack for Ferroscan PS 250
- Memory card PSA 95: Memory card for X-Scan PS 1000
- Mains adapter PUA 81: Mains adapter for battery pack
- Table PSA 200: Tablet for X-Scan PS 1000
- Transpointer kit PX 10: Accessories for Transpointer
- Ferroscan headset: Headset for Ferroscan
- PSA 83: Foot case for X-Scan PS 1000
- Transpointer PX 10: Accessories for Transpointer
- Battery pack PSA 80: Battery pack for Ferroscan PS 250
- Battery pack PSA 65: Battery pack for Ferroscan PS 250
- Battery pack PSA 81: Battery pack for X-Scan PS 1000

TRAINING AND SUPPORT

- Face-to-face training with a local expert
- Email support directly from a Hilti expert
- Access to software and digital support through Hilti technical support
- X-Scan detection systems in a Hilti case
- Reference grids, memory card, headset, required batteries and chargers, data cable and operating instructions packed in a Hilti case

FACE-TO-FACE TRAINING WITH LOCAL EXPERTS

- Certified Detection Trainer allows onsite support directly from a Hilti expert
- Industry leading local expertise:
- Task or application specific training
- Academic training

TRAINING AND SUPPORT SERVICES

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SERVICE SOLUTIONS
APPLICATIONS

• Measuring depth of cover over lengths of up to 100 feet (30 m)
• Checking concrete coverage over large areas for acceptance inspections

ADVANTAGES

• Provides accurate depth of cover measurements for reinforcement at locations, diameters and yields
• Can detect reinforcing bars, pre- and post-tensioning tendons
• Locates plastic pipes and electric cables to help avoid damage
• Performs wall and slab thickness analysis
• Detects concealed objects in steel-reinforced and pre-stressed concrete

QUICKSCAN RECORDING

• Displays a clear, real-time 2D image
• Provides a quick and easy overview

IMAGESCAN

• Displays 2D and 3D plan view or cross-sectional images in color on the Tablet PSA 200 for further on-the-spot analysis

The X-Scan XPS 1000 provides a fast and non-destructive method of locating rebar and concrete. The high-resolution scanner can detect bars as small as Ø 3 mm (Ø 0.12 in) and provides depth measurement accuracy of ± 1/8” (± 3 mm). This complete, easy-to-use cordless detection system, consisting of a scanner and external Tablet PSA 200, can detect reinforcing bars, pre- and post-tensioning tendons, and locate plastic pipes and electric cables to help avoid damage.

The scanner is equipped with a 3D localization function and produces clear, easily interpretable 2D/3D images. Scan data is recorded and can be transferred to a PC for further analysis, review or examination and can be archived.

Great services – the choice is yours.

Technical data

Dimensions / weight, scanner
12.5 x 7.5 x 5.6 in/5.5 lbs

Dimensions / weight, tablet
11.5 x 8.2 x 2.6 in/5 lbs

Battery life, scanner / tablet
4 h / 5 h with Li-ion battery pack

Operating temperature range
14 to 122°F (–10 to + 50°C)

IP protection class IP 54 as per IEC 529 std

Depth measurement accuracy
± 1/8” (± 3 mm)

Localization accuracy
max. 6-1/4” (160 mm)

Detection range
max. 6-1/4” (160 mm)

Dimensions / weight, tablet
11.5 x 8.2 x 2.6 in/5 lbs

Battery life, scanner / tablet
8 h NiMH / 5 h Li-Ion

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QuikScan System

• Locates rebars accurately and reliably
• Provides clear, easily interpretable 2D/3D images
• Scan data is recorded and can be transferred to a PC for further analysis

QuickScan System:

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