IDS GeoRadar C-thrue

Handheld 2 GHz GPR with a display for concrete inspection



Before drilling, cutting or assessing a structure, it helps to understand the elements hidden in concrete. C-thrue combines antennas with two polarisations and an integrated display, allowing the operator to collect data and view results without a separate computer. The system helps identify reinforcement, cables, ducts and anomalies that may indicate voids. Additional passes can support interpretation, while compatible software can extend the documentation.

Configuration and offer scope

The offer covers the C-thrue Lite kit configuration with an integrated display. Transport and survey equipment, additional heads, controller and licences are specified in the quotation.

Configuration and price on request

Original adaptation and translation: geoscanners.pl. Based on IDS GeoRadar materials.

Photos and technical data: IDS GeoRadar / Hexagon.

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Sensor frequency	2.0 GHz
Antennas / radar channels	4 / 2
Polarisation	Horizontal and vertical: HH and VV
Recording density	Up to 10 scans/cm
Manufacturer depth range	Up to 100 cm; actual range depends on the concrete and target
Data display	B-scan and C-scan (radar tomography)
Positioning system	Virtual Pad: 3 Class 1 laser sensors and reflective bars; configuration depends on equipment
AC power cable sensor	Integrated EM sensor, 50/60 Hz
Rechargeable battery	Li-Ion 15 V, 3.2 Ah
Declared operating time	Up to 3 h; depending on conditions and use
Memory / connectivity	32 GB / USB, Wi-Fi
Display	7.0-inch TFT multi-touch
Dimensions (L × W × H)	285 × 200 × 160 mm
Weight including battery	2.4 kg
Operating temperature	From -20°C to +50°C
Storage temperature	From -40°C to +60°C
Ingress protection	IP65
Drop resistance	Compliant with MIL-STD-810G according to the manufacturer
NDT Reveal	2D/3D analysis and reporting, DXF/DWG export; licence to be agreed

The manufacturer range of up to 100 cm depends on the concrete and target. Dense reinforcement and moisture may limit visibility. Results require interpretation and confirmation with additional scans.

Prepared using the manufacturer documentation.

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