IDS GeoRadar C-thrue XS

Compact 2 GHz GPR head for confined areas in concrete



C-thrue XS helps collect data where a larger scanner has limited room to move: around corners, columns and obstructions. The 0.45 kg head records two polarisation channels, with results viewed on a connected computer or C-thrue display. It complements concrete surveys in confined spaces. The shop offer covers the head only, without its own display or controller.

Configuration and offer scope

The offer includes the C-thrue XS head only. Select a compatible controller or C-thrue and the required connections for operation. Additional equipment and software 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 14 scans/cm
Manufacturer depth range	Up to 100 cm; actual range depends on the concrete and target
Data display	B-scan and C-scan on the connected device
Positioning	Integrated wheel encoder
Connectivity	Ethernet to a computer or C-thrue
Power supply	USB 3.0 or C-thrue
Dimensions (L × W × H)	145 × 83 × 80 mm
Weight	0.45 kg
Operating temperature	From -20°C to +50°C
Storage temperature	From -40°C to +60°C
Ingress protection	IP65
Manufacturer drop test	1 m; compliant with CEI EN 60068-2-31
Integrated display	None; results are displayed on a compatible computer or C-thrue
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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GPR systems: configuration advice, demonstrations and individual quotations.

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