



Earth Science Systems
ESSENTIAL UNDERGROUND INFORMATION

GPR Concrete Scanner DF

Dual Frequency Ground Penetrating Radar – Power Detector

Detects rebar, conduits, post-tension cables, metal and plastic pipes, power lines, utilities with precision and clarity. Finds defects such as voids and honeycombing.



The ESS Concrete Scanner DF has been designed to detect deep subsurface targets while still providing high-resolution. The dual frequency antennas produce high-resolution scans without sacrificing penetration depth. The 2 GHz antennas sense objects to about 2 feet depth, while the 750 MHz sensors detect objects as deep as 4 feet.



The system supports several different operating configurations and display options. Markouts and cross sections can be quickly achieved with a smart phone, while advanced analysis with 3D views and detailed reports are made using a tablet computer. Most scans are made with the hand-held configuration, while the long handle is useful for scanning floors, walls, or hard to reach places.

Earth Science Systems, LLC Wheat Ridge, Colorado 303-800-2000
<https://www.earthsciencesystems.com>



GPR Concrete Scanner DF

Dual Frequency GPR provides high resolution and deep penetration

Fast Scans with Smartphone App

Conduct fast 2D scans using your iOS or Android smart phone or tablet.

Advanced 3D Scans with Tablet

Create 3D interactive visualizations using tablet PC. Get the whole picture by combining surface photo, subsurface radar scans, and delineated targets.

Wireless Operation – No Cables

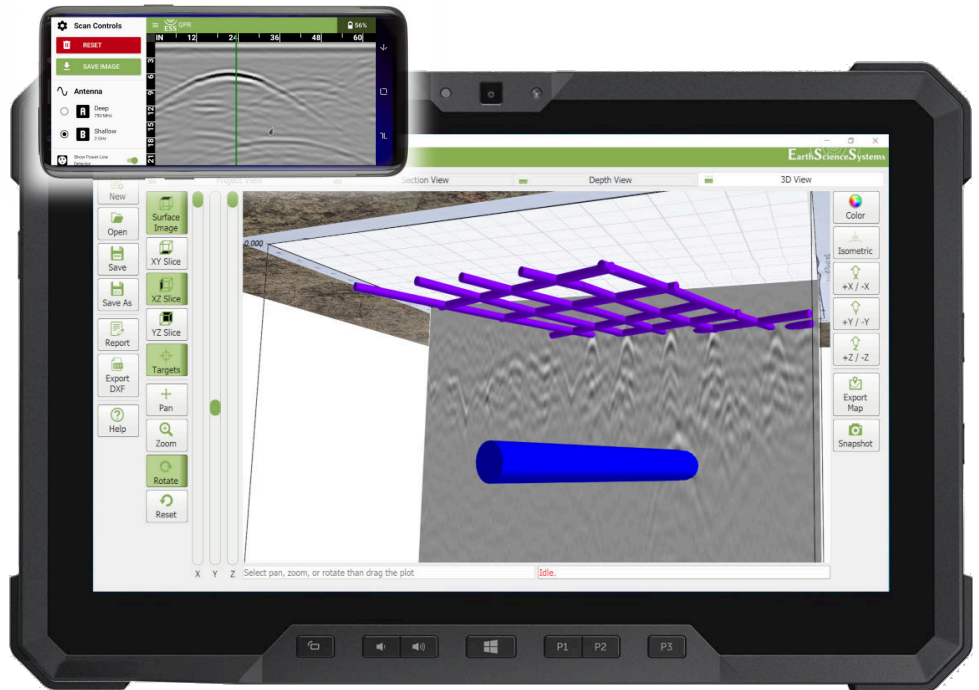
No cables or connectors to get frayed or damaged. Eliminates intermittent connections.

Streamlined Report Generator

Quickly create reports with cross sections, depth slices, 3D views, photos, text write-ups, and target tables.

On Site Data Analysis and Reporting

Advanced analysis and reporting software is touch friendly and runs on a tablet PC. No internet connection required. Provide fast results to clients without needing to return to office.



Cloud Sharing

Share reports and interactive 3D views online with clients and team members. Share 3D Web View, KML/KMZ (map viewers and GIS systems), DXF (CAD), PNG (Image), and CSV (spreadsheet)

Complete Structural Analysis System

Includes everything needed to conduct a complete structural analysis or site characterization. Determine cover and thickness. Locate and identify rebar, cables, conduits, and voids.

Optional Accessories

Extension pole and wheel truck for scanning floors, wall and ceilings. Rugged shipping case is recommended for frequent travel.

Specifications

- 2 GHz and 750 MHz bi-static radar antennas
- Magnetic field detection of active power circuits or tracer signals
- Rugged tablet PC and/or Smart phone (Android, iOS)
- WiFi-interfaced, fully cable-less operation
- Durable construction with IP65 ingress protection
- Integrated optical odometer
- Thumb switch controlling data recording
- Rechargeable 3=6.4Ah Lilon battery with up to 6 hours operation
- Two batteries with dual charger for all day use
- Scanner dimensions: 12 x 8.9 x 8.5 inches (30.5 x 35.6 x 21.6 cm)
- Scanner weight: 5 lbs. (2.3 kg)
- Shipping dimensions: 20 x 14 x 10 inches (50.9 x 35.6 x 25.4 cm)
- Shipping weight: 7.7 lbs. (3.5 kg)
- Smartphone requirements: 5 GHz WiFi support with Android 7 or iOS 12.5.



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