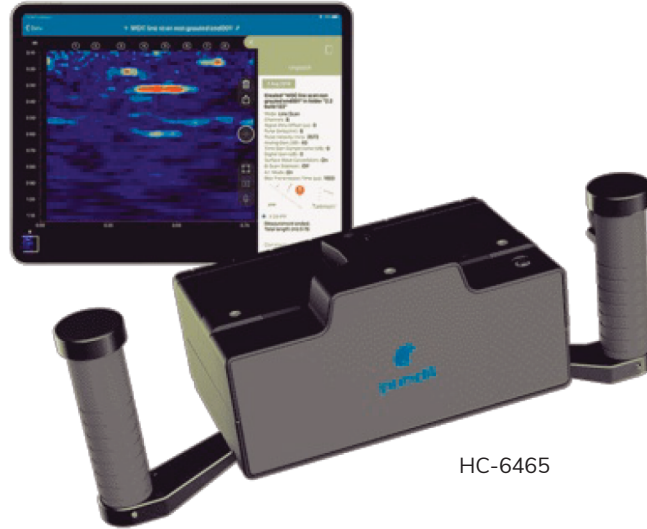




HUMBOLDT

Pundit Ultrasonic Pulse Echo, HC-6465



HC-6465

Pundit Ultrasonic HC-6465

Consolidated power in a single device for structural imaging, object and defect detection with ultrasound pulse echo



Efficiency

Have the power of the Pundit 200 PE, Pundit 250 Array and PD8000 with a single device. Enhanced wireless inspections with on-site, 2D, heatmap and high-resolution 3D imaging



Innovation

Experience the lightest, yet most intelligent pulse echo structural imaging device available on the market. Powered by ever-evolving software with AI and AR, to expand your inspection capabilities



Productivity

Unbeatable productivity ensured by AI assisted positioning and data interpretation, real-time feedback of probe controls, immediate data visualization and easy report creation

Pundit Ultrasonic Pulse Echo

The Pundit Ultrasonic Pulse Echo, PD8050, is the wireless inspection solution with multi-channel ultrasonic pulse echo technology, brings on-site structural concrete assessment and imaging to the next level when it comes to pragmatism and productivity.

Pundit PD8050 is powered by intelligent software for real-time visualization providing unmatched precision, sharpness, focus and image stability for the longest scans and at unheard-of before penetration depths. The AI.-powered data analysis makes it easy to identify features and flaws, interpret them, and communicate the value of your inspection work to your customer.

The rugged and robust housing makes Pundit PD8050 perfect for the demands of a harsh construction environment. The ergonomic design of the probe and its controls enhance your productivity: they are placed directly on the handles, making seamless and convenient operation possible under any conditions.

AI-assisted positioning and automated image stitching drastically improve the quality of your insights, while accelerating your overall inspection process. PD8050 probe wirelessly connects to the Pundit Live Array app for iPad providing unmatched concrete imaging thanks to crisp, high-resolution touchscreen. The gesture driven and user-friendly app is rich with intelligent features and sophisticated algorithms and together with superb mobile processing power enable on-site analysis and immediate visualization on-site including the true 3D view together with Augmented Reality, with the highest precision, focus and clarity. AI-assisted data analysis and material identification algorithms allow to identify and interpret inspection results precisely and reliably.

Finally achieve clarity of your data thanks to voice, image and text annotations that enrich the built-in Logbook of each measurement. Thanks to the cloud services make sharing data and collaborating with your colleagues instantaneously possible from anywhere, anytime.



Processing Unit / Sensor

Transducer Bandwidth	20 - 80 kHz
Technology	Multi-channel Ultrasonic Pulse Echo
Measuring resolution	0.1 us
Pulse voltage	±50 to ±150 V (UPE)
Receiver Gain	1 to 10'000 (0 to 80 dB)



Software / Workspace App

Display Unit	Any compatible Apple® iPad (iOS 11.0 and higher)
Workspace Integration	App synchronization Share via URL Automatic logbook Raw data export HTML export Instant report generation
Measurement Modes	Line scan Stripe Scan Grid Scan (Coming soon)
Measuring Range	Up to 2 m / 6.6 ft in depending on concrete quality
Review modes	A-scan (incl. envelope) B-scan (Line view) C-scan (Time-Slice view) Heat map (depth) Heat map (pulse velocity)
Battery	Battery pack, 6x AA (NiMH), flight-safe High definition focus view Macro view - variable frequency and voltage Wide panoramic B-scan Augmented Reality
Special Features	3D view A.I.-assisted positioning A.I.-assisted feature interpretation A.I. assisted material identification (coming) Image stabilizer

Testing Equipment for



Construction Materials

HUMBOLDT

Humboldt Mfg. Co.

www.humboldtmfg.com

875 Tollgate Road
Elgin, Illinois 60123 U.S.A.

U.S.A. Toll Free: 1.800.544.7220

Voice: 1.708.456.6300

Fax: 1.708.456.0137

email: hmc@humboldtmfg.com