



Pundit Ultrasonic **PD8050**

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



Software / Workspace App



Processing Unit / Sensor

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
Special Features	High definition focus view Macro view - variable frequency and voltage Wide panoramic B-scan Augmented Reality 3D view A.I.-assisted positioning A.I.-assisted feature interpretation A.I. assisted material identification (coming) Image stabilizer

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)



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