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

Display Unit	Any compatible Apple® iPad (iOS 11.0 and higher)[1]
Workspace Integration	App synchronization Share via URL Automatic logbook Raw data export HTML export Instant report generation
Special Features	High definition focus view Macro view – variable frequency and voltage Wide panoramic B-scan Augmented Reality 3D view AI-assisted positioning AI-assisted feature interpretation Image stabilizer
Display Unit Specs[2]:	Screen size: From 7.9" to 12.9" Resolution: Up to 2732-by-2048 Memory: Up to 2TB Weight: Down to 301 g / 10.6 oz Camera: Up to 12MP Wide and 10MP Ultra Wide Optional: USB-C, 5G, Face ID
Display Unit Sensors[3]:	LiDAR Scanner (optional) Three-axis gyro Accelerometer Ambient light sensor Barometer Built-in GPS/GNSS

1. Recommendation: The newest models enhance performance, number of sensors and optional capabilities.
2, 3. Depending on iPad model

Processing Unit / Sensor

Applications	Void and delamination detection Bonding assessment Thickness measurement Honeycombing detection Fiber concrete Concrete hit prevention Imaging of closely spaced rebars
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)
Report Generation	Cloud synchronization Share via URL Cloud-enabled logbook Cloud-based raw data export Cloud-based HTML export Cloud-based report generation
Measurement Modes	Line scan Stripe Scan Grid Scan
Measuring Range	Up to 2 m / 6.6 ft 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
Display	Any compatible Apple® iPad (iOS 11.0 and higher)[1]
Memory	Apple® iPad specified
Connections	Encrypted Wi-Fi connection to Apple® iOS tablet USB port for Wi-Fi module USB-C for Wi-Fi restricted areas

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