



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

App synchronization
Share via URL

Workspace Integration

Automatic logbook
Raw data export
HTML export
Instant report generation
High definition focus view
Macro view – variable frequency and voltage
Wide panoramic B-scan

Special Features

Augmented Reality
3D view
AI-assisted positioning
AI-assisted feature interpretation
Image stabilizer

Display Unit Specs²:

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
LiDAR Scanner (optional)
Three-axis gyro

Display Unit Sensors³: 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 A-scan (incl. envelope) B-scan (Line view)
Review modes	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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