



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 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 |
| Display Unit Sensors³: | LiDAR Scanner (optional) Three-axis gyro Accelerometer Ambient light sensor Barometer Built-in GPS/GNSS |



Processing Unit / Sensor

| | |
|-----------------------------|---|
| Applications | Void and delamination detection Bonding assessment Thickness measurement Honeycombing detection Fiber concrete Concrete hit prevention Imaging of closely spaced rebars |
| 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) |
| Measurement Modes | Line scan Stripe Scan Grid Scan (Coming soon) |
| 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 |
| 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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