

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



Pundit Array
Tech Specs

| | |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display Unit | Any compatible Apple® iPad (iOS 11.0 and higher) ¹ |
| Measurement Modes | Line scan Stripe Scan Grid Scan |
| Review modes | A-scan (incl. envelope) B-scan (Line view) C-scan (Time-Slice view) Heat map (depth) Heat map (pulse velocity) |
| Report Generation | Cloud synchronization Share via URL Cloud-enabled logbook Cloud-based raw data export Cloud-based HTML export Cloud-based report generation |
| 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 ² : | 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








Instrument
Tech Specs

| | |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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) |
| Measuring Range | Up to 2 m / 6.6 ft depending on concrete quality |
| 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 |



Our Accessories

| Image | PartNumber | Description |
|-----------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------|
|  | 32540434 | 16 channel connection kit (32540434) |
|  | 32730418S | Measurement accessory (32730418S) Pundit Live tape measure (set of 10) |
|  | 79330235 | Universal tablet holder for direct mounting on Proceq GPR 8000/8100 and Pundit PD8050 |
|  | 79330345 | Chest harness kit for hands free operation of all iPad app based instruments: GP8000, GP8100, GP8800, PD8050, PM8000, PI8000... |
|  | 91011110 | Durable carry strap |

| Standards & Guidelines | Description |
|--------------------------|-------------|
| EN12504-4, EN13791 | |
| ACI 228.2R-13 | |
| DGZfP Merkblatt B4 | |
| RI-ZFP-TU | |
| ZTV-ING Teil 5 Tunnelbau | |

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