



## 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



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

1. Recommendation: The newest models enhance performance, number of sensors and optional capabilities.

2, 3. Depending on iPad model



|                             |   |
|-----------------------------|---|
| <b>Applications</b>         | Void and delamination detection<br>Bonding assessment<br>Thickness measurement<br>Honeycombing detection<br>Fiber concrete<br>Concrete hit prevention<br>Imaging of closely spaced rebars |
| <b>Bandwidth</b>            | 20 - 80 kHz   |
| <b>Technology</b>           | Multi-channel Ultrasonic Pulse Echo   |
| <b>Measuring Resolution</b> | 1 us  |
| <b>Pulse Voltage</b>        | ±50 to ±150 V (UPE)   |
| <b>Receiver Gain</b>        | 1 to 10'000 (0 to 80 dB)  |
| <b>Report Generation</b>    | Cloud synchronization<br>Share via URL<br>Cloud-enabled logbook<br>Cloud-based raw data export<br>Cloud-based HTML export<br>Cloud-based report generation                                |
| <b>Measurement Modes</b>    | Line scan<br>Stripe Scan<br>Grid Scan   |
| <b>Measuring Range</b>      | Up to 2 m / 6.6 ft depending on concrete quality  |
| <b>Review modes</b>         | A-scan (incl. envelope)<br>B-scan (Line view)<br>C-scan (Time-Slice view)<br>Heat map (depth)<br>Heat map (pulse velocity)  |
| <b>Battery</b>              | Battery pack, 6x AA (NiMH), flight-safe   |
| <b>Display</b>              | Any compatible Apple® iPad (iOS 11.0 and higher) <sup>1</sup>   |
| <b>Memory</b>               | Apple® iPad specified   |
| <b>Connections</b>          | Encrypted Wi-Fi connection to Apple® iOS tablet<br>USB port for Wi-Fi module<br>USB-C for Wi-Fi restricted areas  |

SWISS  MADE

Present in +100 countries, we serve inspectors and engineers all over the world with the most comprehensive range of InspectionTech solutions, combining intuitive software and Swiss-manufactured sensors.

[www.screeningeagle.com](http://www.screeningeagle.com)

Request a quote

