



Pundit Ultrasonic PD8000

Structural imaging, object and defect detection using ultrasound pulse echo



Performance

Wireless inspection solution with on-site, high-resolution 3D imaging using pulse echo technology and efficient cloud storage for your data.



Future readiness

Extendable probe powered by ever-evolving software, smartly complements your Proceq GPR to expand your inspection capabilities.



Productivity

Ultimate peace of mind delivered by A.I.-assisted positioning and data interpretation. Gain insights fast with immediate data visualization and easy report creation.



Pundit Array Tech Specs

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

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

2, 3. Depending on iPad model



Instrument Tech Specs

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)
Nominal Transducer Frequency	40 kHz
Pulse Shape	Square Wave
Pulse Delay	8 ms - 200 ms
Number of Channels	8 (with upgrade option to 16)
Connections	Encrypted Wi-Fi connection to Apple® iOS tablet, USB port for Wi-Fi module
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
Measuring Range	Up to 2 m / 6.6 ft in 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
Transducers	Dry-contact Pundit Array transducer with auxiliary LCD display and control buttons on handles



Standards & Guidelines	Description
ACI 228.2R-13	
DGZfP Guideline MC 1	
RI-ZFP-TU	
ZTV-ING Teil 5 Tunnelbau	

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