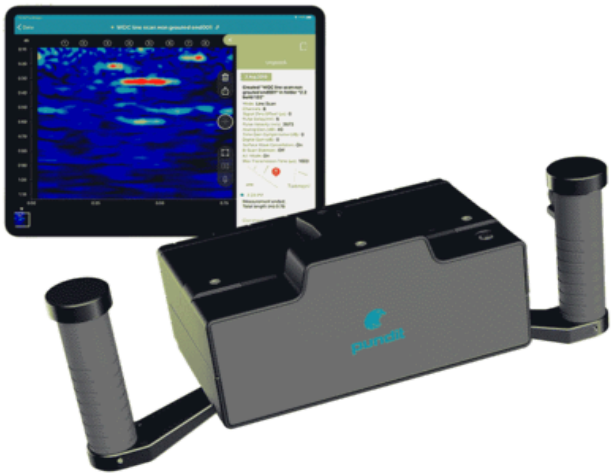
proceq
A Screening Eagle Company



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[3]:	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

Download on the App Store

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	25-65 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
Operating Temperature	-10° to °50°C
Humidity	< 95 % RH, non condensing
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:...
	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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