proceq
A Screening Eagle Company



Pundit Pile Integrity + Impact Echo

PI8000

Rapid solution for concrete piles testing, concrete slab testing, thickness measurement and defect detection

2 in 1

Patented design supports both pile integrity testing and impact echo testing in a single probe for increased versatility and efficiency

Productivity

App assisted check of impact quality and rapid comparison of multiple piles at the same site. Flexible heatmap for impact echo uniformity assessment directly on site

Collaboration

Real-time connectivity allows collaboration with off-site colleagues anywhere in the world, for confirmation of data quality before leaving the site

Pundit Impact App
Tech Specs

Display Unit	Any compatible Apple® iPad (iOS 11.0 and higher)[1]
Workflow features	Single-site comparison of all piles Single-shot or flexible heatmap for impact echo Defect / Object tagging Logbook for full traceability of testing and simplified report generation Simultaneous application of filter settings to all piles
Display	Any compatible Apple® iPad (iOS 11.0 and higher see Appstore for details)
Measurements	Impact monitoring Exclude/Include impacts Automated peak detection Automated gain settings Large diameter piles supported
Calibration features	Automated calibration of pulse velocity
Workspace features	Collaboration with off-site colleagues Real-time synchronization Web enabled logbook Instant report generation
Connections	Encrypted Wi-Fi connection to Apple® iOS tablet, USB port for Wi-Fi module
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

Range	>35 kHz, +/- 50 g
Resonant frequency	> 50 kHz
Sampling rate	400 kSPS
Weight	144 g (Including battery)
Battery	Standard AA, alkaline or rechargeable
Dimensions	85 x 56 x 59 mm
Connections	Low energy Bluetooth ®, USB-C for charging and updates
Measuring Range	Impact Echo: max thickness = 60 to 80cm depending on concrete quality and selected impactor Pile Integrity: max ratio Length/Diameter = 30 to 60 depending on the soil conditions (hard soils to soft soils)

Our Accessories

Image	PartNumber	Description
	34900011	Coupling putty for pile integrity testing 1kg (34900011) Measurement accessory
	34900013	Impactor 7.5 mm diameter measurement accessory (34900013)
	34900014	Impactor 10 mm diameter measurment accessory (34900014)
	34900015	Impactor 15 mm diameter measurment accessory (34900015)
	79330345	Chest harness kit for hands free operation of all iPad app based instruments:...

Standards & Guidelines	Description
ASTM C1383	
ASTM D5882	
DGZfP Merkblatt B11	
RI-ZFP-TU	

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