



Pundit Pile Integrity + Impact Echo

PI8000

Pile quality testing, concrete plate 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 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

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 (USB-C for Wi-Fi restricted areas - coming)
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 measurement accessory (34900014)
↓	34900015	Impactor 15 mm diameter measurement accessory (34900015)
	79330345	Chest harness kit for hands free operation of all iPad app based instruments: GP8000, GP8100, GP8800, PD8050, PM8000, PI8000...

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

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