



Pundit Pile Integrity + Impact Echo

P18000

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



Collaboration

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



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 Any compatible Apple® iPad (iOS 11.0 and higher see Appstore for details) Impact monitoring Exclude/Include impacts Automated peak detection Automated gain settings Large diameter piles supported Calibration features Automated calibration of pulse velocity 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 Screen size: From 7.9" to 12.9" Resolution: Up to 2732-by-2048 Memory: Up to 2732-by-2048 Memory: Up to 27TB Weight: Down to 301 g / 10.6 oz Camera: Up to 12MP Wide and 10MP Ultra Wide	Display Unit	Any compatible Apple® iPad (iOS 11.0 and higher)¹			
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Exclude/Include impacts	Display	2			
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 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	Measurements	Exclude/Include impacts Automated peak detection Automated gain settings			
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Resolution: Up to 2732-by-2048 Memory: Up to 2TB Display Unit Specs²: Weight: Down to 301 g / 10.6 oz Camera: Up to 12MP Wide and 10MP Ultra	Connections				
Optional: USB-C, 5G, Face ID	Display Unit Specs²:	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			
LiDAR Scanner (optional) Three-axis gyro Accelerometer Ambient light sensor Barometer Built-in GPS/GNSS 1. Recommendation: The newest models enhance performance		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 measurment accessory (34900014)		
	34900015	Impactor 15 mm diameter measurment accessory (34900015)		
B	79330345	Chest harness kit for hands free operation of all iPad app based instruments:		
Standard	ls & Guidelines	Description		
ASTM C13	383			
ASTM D5882				
DGZfP Merkblatt B11				
RI-ZFP-TU				





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