



## 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

<b>Display Unit</b>	Any compatible Apple® iPad (iOS 11.0 and higher) <sup>1</sup>
<b>Workflow features</b>	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
<b>Display</b>	Any compatible Apple® iPad (iOS 11.0 and higher see Appstore for details)
<b>Measurements</b>	Impact monitoring Exclude/Include impacts Automated peak detection Automated gain settings Large diameter piles supported
<b>Calibration features</b>	Automated calibration of pulse velocity
<b>Workspace features</b>	Collaboration with off-site colleagues Real-time synchronization Web enabled logbook Instant report generation
<b>Connections</b>	Encrypted Wi-Fi connection to Apple® iOS tablet, USB port for Wi-Fi module
<b>Display Unit Specs<sup>2</sup>:</b>	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
<b>Display Unit Sensors<sup>3</sup>:</b>	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

<b>Range</b>	>35 kHz, +/- 50 g
<b>Resonant frequency</b>	> 50 kHz
<b>Sampling rate</b>	400 kSPS
<b>Weight</b>	144 g (Including battery)
<b>Battery</b>	Standard AA, alkaline or rechargeable
<b>Dimensions</b>	85 x 56 x 59 mm
<b>Connections</b>	Low energy Bluetooth ®, USB-C for charging and updates (USB-C for Wi-Fi restricted areas - coming)
<b>Measuring Range</b>	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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