

i.Pile™

An advanced wireless device for fast,
cost-effective on-site evaluation



About iPile

i.Pile™ is a pile integrity testing device. It was invented for geotechnical engineers, inspectors, and piling contractors for effective quality control and quality assurance of deep foundations and piles.

Developed for iOS and Android, iPile defines the future of nondestructive testing and evaluation. The app simplifies data collection, and data management while providing powerful analysis and reporting tools.

Applications

iPile's main applications are to:

- Evaluate Continuity of Piles
- Test Consistency of Pile Materials
- Evaluate Physical Dimensions

How it Works

iPile uses the sonic-echo method to evaluate piles & foundations. The testing process is completed in three simple steps.



Connect



Impact




Analyze

Turn on the iPile sensor, and your tablet. Use the user-friendly app to connect to the sensor, and start collecting test results. It's that easy!

Contact Us

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Technical Specifications

iPile Sensor

Acceleration Range	+50 g
Frequency Range	(+3db): 0.5 - 15000 Hz
Resonant Frequency	> 31 kHz
Sampling Frequency	40 kHz
Sampling Resolution	> 12 bit
Low cut-off frequency	5000 Hz (-3db)
Temperature Range-Storage	-20 to 65 °C
Connectivity	BLE 4.0
Internal Battery Life Time	+8 hours
Sensor Dimensions	52 mm (D) x 108 mm (H)
Sensor Weight	200 gr

Tablet with App

Tablet Dimensions	9.4 x 6.6 x 0.24 in
Tablet Weight	437g
Processor	AX9 Chip
Memory / RAM	32 GB / 3.0 GB
Connectivity	Wi-Fi / BLE 4
Battery	27.5 Watt - Hour

Package Contents

iPile Wireless Acceleration Sensor
Apple iPad & Case
iPile iOS App
Impact Hammer
Heavy Duty Carrying Case
Charging Cables
Power Adaptors
iPile User Manual

Package Add-Ons

Certification of Callibration
Training (Online & On Site)
Warranty

