

i.Pile™



Advanced Pile Integrity Tester

- Best-in-class Pile Integrity Tester
- High Precision Wireless Sensor
- Intuitive User Interface
- Powerful Analysis Tool Box

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SOLUTIONS

RTUTec
Detecting Technologies

About i.Pile™

i.Pile™ is an advanced wireless instrument for cost-effective and reliable evaluation of integrity and consistency of piles and deep foundations. It benefits from an advanced low-voltage low-noise acceleration sensor and enhanced Bluetooth connectivity for extra precision and mobility. A rugged large screen (8") tablet comes with a powerful yet user friendly user-friendly application to make data collection and analysis easy and fun.

i.Pile™ helps engineers and field technicians expose potentially dangerous defects such as major cracks, necking, soil inclusions or voids in slender piles. Moreover, i.Pile™ can be used for determining unknown length of piles. i.Pile™ meets the requirements of ASTM D5882.



Applications

- Evaluate integrity and consistency of pile material
- Evaluate unknown length of piles, or shafts
- Evaluate pile cross-sectional area and length

Features

- High Precision Low Noise Acceleration Sensor
- Bluetooth Connectivity
- Powerful Data Recording Unit
- Powerful and Up to Date App
- +8 hours of Battery Life
- Meets requirements of ASTM D5882

TECHNICAL SPECIFICATIONS

i.Pile™ | Wireless Sensor

Accelerating Range	±50 g
Frequency Range	±2000, 0.5 - 16000 Hz
Resonant Frequency	> 25 kHz
Sampling Frequency	40 kHz
Sampling Resolution	> 12 bit
Low cut-off frequency	5000 Hz - 300
Temperature Range-Storage	-20 to 66 °F
Connectivity	BLE 4.0
Internal Battery Life Time	+8 hours
Sensor Dimensions	52 mm (2") x 100 mm (4")
Sensor Weight	200 gr

i.Pile™ | Rugged Tablet + Mobile App

Tablet Dimensions (rugged)	215 mm x 151 mm x 15 mm
Tablet Weight (rugged)	300 gr
Processor	1.8 GHz Octa Core
Memory / RAM	32 GB / 3.0 GB
Connectivity	Wi-Fi / BLE 4
Battery	4,000 mAh

How i.Pile™ Works

Pile integrity testing has never been easier. Turn on the i.Pile™ sensor, and your tablet. Use the user-friendly app to connect to the sensor, and start collecting test results. It is that easy.

IT'S AS EASY AS 1...2...3!



Connect



Impact



Report

