

# P8000

## Wireless Pile Integrity Tester (P.I.T.)



By using the reflected wave method, the instrument is used to **assess the integrity of concrete pile and identify the extent and location of the pile defect.** It can be used for testing drilled piles and hammer piles. It can also be used for testing the exposed top surface of constructions such as pillars.

## Features:

- Intelligent sensor can complete the acquisition work by himself, and upload the data to the computer through the WIFI, get rid of signal wire entanglement, efficient, fast and smooth;
- True 24 bit A/D data acquisition, the test wave form is more real, to avoid the noise and signal distortion caused by large floating point amplification;
- The real-time analysis of detected waves, a new wave let analysis in complex situations can be more accurate to judge pile integrity;
- Intelligent upgrade detection software in the PAD online.

## Technical features:

Amplifier frequency band	1~10 kHz
A/D resolution	24 bit
Maximum length of sampling	≥2048
Amplitude nonlinear degree	≤10%
Error of time indication	≤1%
Gain error	≤1 dB%
Acceleration transducer sensitivity	≥100 mV / g (modalità di accelerazione)
Frequency range of acceleration transducers	0,5 ~ 9000 Hz
Continuous operating hours	>5 hours
Power-supply mode	rechargeable lithium battery inside; DC: +5V
Total weight	0,34 Kg (lithium battery included)
Fixed point magnification	1, 2, 4, 8, 16, 32, 64
Controller	PDA con display touchscreen
Data storage	Si

## Accessories:

### Standard accessories:

- Accelerometric wireless sensors;
- Tablet Android;
- Hammer stocked with interchangeable tips;
- Battery charger;
- Carrying case.