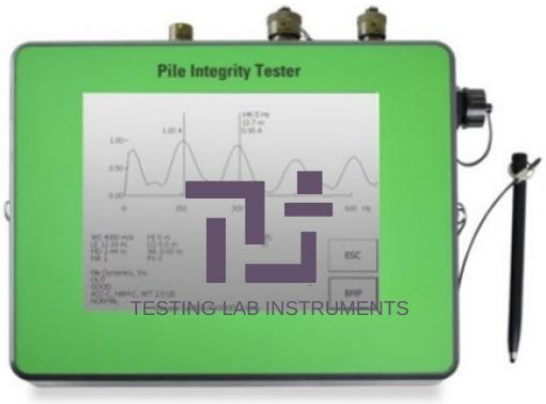
Email : sales@testinglabinstruments.com

Product Name : Pile Intergrity Tester	**Product Code :** TEST5176RFQLAB-0028



Description :

Pile Intergrity Tester

Technical Specification :

Pile Intergrity Tester
The Pile Integrity Tester (PIT) may be used on most concrete or wood foundations. The PIT may also be used to test piles integral in the structure, such as those supporting existing bridges or towers, and may assess their length.

Specifications:
Able to test 200+ piles can per day
Handheld,
Storage for over 700 results
On site analysis of pile length, section and stiffness
Backlight LCD screen for working in dark environments
Simulation software for analysis of pile and soil properties
Impedance log for measuring changes in pile properties
Instrumented Force hammer
Software: Analysis software is supplied as standard.
Measurements
Acquisition: 2 channel, 16 bit acquisition at 25Khz sample rate. Pre-trigger on bochannels and auto-ranging gain featur
Frequency Range: 0 Hz to 5000

Storage: 700+ results, including 3 data sets per pile with full header informatiosite, pile no, diameter, operator, transducers and date/time stam

Displays
Velocity-Time:. Output from geophone in time domain. Used for length calculation.
Force-Time: Used to check the force duration and
Force-Frequency: To check force spectrum and validiMobility
Frequency: Mobility or impulse response curve is displayed. Length and pi stiffness calculations can be made cursors. Theoretical mobility
Transducers
Impulse Hammer: 1.2Kg fiber glass shafted hammer, with built in constant current loa celFitted with black plastic tips suitable up to 1500Hz range.
Geophone: Vertical Sensor geophone, type SM 6 Nominal output 30 volts/m/sec , with natural frequency of 4.5H
Calibration: both transducers supplied calibrated
General
Operating Temperature: 0 to 500 C
Accuracy
Frequency: 0 1000Hz, ±0.5%, Black
Mobility: 20 800Hz, ±15
Mobility: 800 1000Hz, ±50%
Power
Battery: 1.2V NiMH rechargeable "AA" cells
Power off: Auto
Standard Supply
Include:
toPile Integrity tester, Instrumented Hammer, Spare hammer ti Geophone, USB Data transfer cable, AC Adapter charger, DC Charg lead, Waterproof, Padded Carrying case, Protective pouch with nec strap, Instruction Manual, Software CD.