

Product Name : Concrete Pile Echo Tester	Product Code : ASTConcrete-0053
--	---



Description :

Concrete Pile Echo Tester

Technical Specification :

Product Specification: The Pile Integrity Tester (PIT) gives a pile or shaft is free of major cracks and voids, prior to construction of the superstructure. It 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. The PIT performs wave equation-based non-destructive foundation investigation known as Low Strain Impact Integrity Tests or Low Strain Dynamic Tests. These test may be performed by the Pulse (or Sonic) Echo or Transient Response Methods. With the PIT, any form of the test is performed fast, potentially making it possible to test every pile on a job site.

Technical Specifications :

Model Number	NL 4047 X / 001
Noise Voltage of The System (mV)	?2
Dynamic Range (dB)	?184

Amplifier Frequency Band (Hz) 1 - 10 k
A/D Resolution 24 bit A/D
Sampling Time Intervals 1 μ s - 6400 μ s
Max. Length of Sampling \approx 4096
Amplitude Nonlinear Degree \approx 10%
Error of Time Indication \approx 1%
Gain Error \approx 1 dB
Fixed Point Magnification 1,2,5,10,20,50,100
Number Of Channels 2
Phase Position Consistency of Two Channels $\pm 3^\circ$ 0.05 ms
Inter-channel Interference $\pm 3\%$ $\approx \pm 0.2$ dB
Triggering Mode $\approx 1\%$
Acceleration Transducer Sensitivity (mV/g) ≈ 100 mV/g
Frequency Range of Acceleration Transducer 0.5 - 9000 Hz
Continuous Operating Hours > 5 hrs
Power Supply Mode Rechargeable Lithium Battery Inside DC 9V
Weight 1.3 kg
Dimension 300 (L) x 500(W) x 950(H)
Display 5.7 inch, TFT True Color LCD



Astra Scientific

www.astrascientific.com, Email: info@astrascientific.com

Address: K-88, 20th Street, Annanagar, Chennai, India – 600040 **Phone:** +91-8860605265