

Ultrasonic Detector

Concrete Detector

Quick detection of integrity of foundation pile continuous wall with Ultrasonic penetration method.

Application :

- For testing the integrity of foundation pile ("Pile Test")
- For testing compressive strength of concrete ("Strength Test")
- For testing defect and cavity in cultural member ("Defect Test")
- For testing crack depth of concrete surface ("Crack Test")

Features :

- The test result is available and the graphic distribution of abnormal points in each profile is shown at any time.
- Sampling delay and amplification factor may be adjusted at any time.
- With true color highlight LCD, waveform, wave speed and amplitude of multiple tested profiles maybe clearly observed on site data, curve, wave train figure and schematic graph of pile integrity of all test points in all profiles may be checked at any time, the quality of whole pile in the test is very clear.
- It adopts WinCE operation system with press screen and user-friendly interface, which is simply, easy to learn and convenient to operate.
- With high-capacity SD Card, there is no need to worry about the storage space of test data
- Built in high-performance and capacity lithium battery may satisfy fieldwork for long time.
- Various USB ports may be used for data transmission or software update within the instrument or external units such as mouse or keyboard.
- Test data of the same project is saved under the folder created with the title of the project for easy and reliable management.

Technical Specifications :

Model Number	NL 4040 X / 001
Operational Environment Temperature	-10°C ~ + 40°C
Humidity	<90 % RH
Testing & Reading Precision of Acoustic Time	0.025µs
Max. System Dynamic Range	154 dB
Precision of Gain Control	0.5 dB
Amplitude Measurement Error	≤1 dB
Receiving Sensitivity	≤10 µV
Measuring Range	0.025 µs - 1638.4 µs
Resolution	± 0.1 µs
Number of Waveform Points	512 ~ 4096, Optional Multiple Levels
Amplitude	65 V to 1000 V (adjustable)
Frequency Bandwidth	1 - 250 kHz
Battery Time	>5 h
Monitor	5.7 inch, Semi Inverse Semi Penetration, TFT
Operating mode	Touch screen & Keys
Dimensions	210 (L) x 149 (W) x 60 (H) (mm)
Weight	1.36 kg (Lithium Battery Included)
Power	AC: 220V±10%, DC: +9V

*1 Copy of Manual Instruction

Set Consists Of :

Model Number	Specifications
NL 4040 X / 001 - P 001	Plane Probe
NL 4040 X / 001 - P 002	Signal Wire
NL 4040 X / 001 - P 003	Waterproof Case



NL 4040 X / 001



NL 4040 X / 001 - P 001



NL 4040 X / 001 - P 002



NL 4040 X / 001 - P 003