

Product Name :
Ultrasonic Pulse Velocity Tester

Product Code :
ASTConcrete-0050



Description :

Ultrasonic Pulse Velocity Tester

Technical Specification :

General description:

- For the non destructive evaluation of concrete homogeneity and determination of Dynamic Elastic Modulus
- Ergonomic and compact
- Lightweight and portable
- Battery operated
- Large size digital display 128x64 pixel
- Digital calibration
- High price/quality ratio

UPV tester is used for quality control and inspection of concrete. It measures the transit time of ultrasonic pulses through concrete for inspection of new and old structures, slabs, columns, walls, fire damaged areas, precast and prestressed beams, cylinders and other

concrete forms. Combined with an oscilloscope can identify honey combs, voids, cracks and other non homogeneous conditions in concrete.

Description

Hand held light instrument, battery operated, microprocessor incorporated, supplied complete with two 54 kHz transducers (transmitter and receiver), calibration rod, 250 mm of coupling agent, instruction manual and carrying case. The meter can also be used with low and high frequency transducers. See accessories.

- Microprocessor incorporated
- Battery operated by internal rechargeable battery pack (2400 MAh) and External charger
- 14 working hours using 1 Hz pulse rate
- RS 232 output for PC or printer
- Connectable to oscilloscope
- Transit time measurement from 0.1 to 1999.9 microseconds
- Pulse rate 1, 2, 5, 10 per second, selectable
- Resolution 0.1 microseconds
- Transmitter output 1200 V
- Frequency range 24 to 150 kHz
- Receiver input impedance 1 MOhm



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