C369N
ULTRASONIC PULSE VELOCITY TESTER HIGH TECHNOLOGY

STANDARDS: EN 12504-4 I ASTM C597

The instrument gives data concerning the homogeneity of the concrete, by generating pulses of sound into the concrete and measuring the time the sound to travel from the transmitter probe to the receiver probe through the material. Furthermore it is possible to have indicative data of the strength of the concrete.

MAIN FEATURES

- Non-destructive test to determine cracks, voids, faults presence in concrete structures.
- LCD display 128x60 pixel.
- Battery operated rechargeable.
- Portable with anti-shock case.
- Supplied complete with calibrating cylinder and contact paste.

- Measuring range: 0 - 3000 µs - resolution ± 0.1 µs
- Selection of the ultrasonic pulse amplitude adjustable from 250 to 1000 V
- Measurement of the time required by the ultrasonic pulse to go through the tested material.
- Single or continuous acquisition mode with automatic or manual saving.
- Zero calibration with depuration of the time for the pulse to go through the probes.
- Battery duration: 6 to 8 hours.
- Capacity of data acquisition, processing and filing of the test data up to 30.000 samples.
- Interface mini USB for PC connection.
- Two outlets for connection to the oscilloscope.
- Languages: English, French, German, Spanish, Italian.
- The use of the instrument is made easy because it is based on the user-friendly system.

The standard appliance includes:
- The instrument in basic configuration in a practical palmer container.
- Two 55kHz probes with connection cables.
- **Battery rechargeable pack** NiMh 4.8V > 2000mA/h with low battery condition alarm.
- External feeder 230V and battery charger 12V 500mA.

Case dimensions: 400x340x110mm
Weight: 2 kg approx.

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C369N with case

ACCESSORIES

C370-08 EXPONENTIAL TRANSMITTING/RECEIVING PROBES (couple), 55 kHz Nominal Frequency.

C372-10 TRANSMITTING/RECEIVING PROBES (couple), 150 kHz Nominal Frequency, indicated for homogeneous, compact, high density concrete.

C372-11 TRANSMITTING/RECEIVING PROBES (couple), 24 kHz Nominal Frequency, indicated for heterogeneous, low density concrete.

C370-10 COUPLE OF CABLES (each 10 m long) to connect the probes to the tester. Used to test voluminous/large structures.

SPARES

C370-02 Transmitting/receiving probes (couple), 55 kHz

C370-06 Couple of cables (each 3.5 m long) to connect the probes to the tester.

C370-07 Tube of grease to better coupling the probes to the material under test.