ELECTRONIC / DIGITAL CONCRETE TEST HAMMER

CNSFARNELL
World Class Ultrasonic Test Equipment

Model AT241/D

General Specifications

For non-destructive testing of the surface of hardened concrete, in order to evaluate the strength in various parts of a structure.

This hammer is very easy to use and very reliable for the determination of compressive strength of concrete products. It consists of a traditional test hammer with a digital expansion which enables date and hour of test session to be input (as well as impact angle and required unit of measurement) and display of values during test.

During operation the plunger of the hammer is pressed against the surface of the concrete. This action compresses a spring which automatically releases a percussion weight striking against the plunger, and onto the surface of the concrete. This impact causes a rebound effect which is proportional to the strength of concrete.

Downloading of data to a PC via an RS 232 interface with special cable.
Up to 20.000 rebound values may be stored and a battery backup ensures data are not lost even when the instrument is turned off.

Description of the apparatus

The rebound hammer consists of:

- No. 1 electronic concrete test hammer
- No. 1 mains power adapter
- No. 1 data cable
- No. 1 grinding stone
- No. 1 instruction manual
- No. 1 polyester fabric carrying case

Characteristics

- Strength range 10 to 70 N/mm²
- Dimensions with carrying case: 350x 200 x 150 mm
- Weight: net 3.2 kg approx.

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