



DIGITAL CONCRETE TEST HAMMER

Digital Concrete Test Hammer is a tool / device widely used to test the compressive strength, hardness and quality of concrete structures such as building and bridges.

It is also known as Rebound Hammer, Sclerometer, Schmidt Hammer, Swiss Hammer Non-Destructive Concrete Test Hammer & Digital Hammer.

The Digital Rebound Hammer gives accurate and high precision result in most economical, quick and easy way in the field and at the laboratory. It is an essential tool for any site engineer at construction site.

INTELLITEST'S DIGITAL CONCRETE TEST HAMMER FULFILL ALL THE MAJOR STANDARDS

- ▶ IS 516 (Part 5 / Sec 4) : 2020
- ▶ IS 13311 (Part 2) : 1992
- ▶ ISO / DIS 8045
- ▶ DIN 1048, Part 2
- ▶ BS 1881, Part 202
- ▶ EN 12 504 - 2
- ▶ ENV 206
- ▶ ASTM C 805
- ▶ NFP 18 - 417
- ▶ B 15 - 225

The Digital Rebound Hammer consists of a spring-controlled mass that slides on a plunger within aluminum tubular housing. The digital rebound hammer is positioned perpendicular to the test surface and pressed against it. The spring-controlled mass in the hammer rebounds and the Rebound number is read on the Display and at analogue Scale. The compressive strength correlation with rebound number is stored in memory and allow the user to directly see the both readings on the digital display. The Rebound values of the concrete depend on the hardness of the surface / concrete.

Specifications

Model No.	: ITND0100
Measuring Range	: 10 - 70 N/mm ² / MPa
Impact Energy	: 2.207 Nm
Display Type	: Digital & Analogue
PC Software	: For Graph Table & Report Generation
USB Port	: For Charging & Data Transfer
Data Transfer Mode	: USB, SD Card, Wi-Fi, Bluetooth
Battery	: 3.7 V / 1050 mAh Li
Memory	: 2000 Test Data / 640,000 Data Points
Measuring Unit	: MPa & N/mm ²
Spring Length	: 75 ±0.3 mm
Plunger Radius	: 25 ±1 mm
Calibration Value	: 80 ±2
Accuracy	: ± 2 Rebound Number
Resolution	: 1 Rebound Number
Dimension	: 150 x 62 x 39 mm
Display Size	: 50 mm (220 x 176 pixels)
Weight	: 2 kg
Warranty	: 12 Months

Features

- ▶ Non-destructive testing.
- ▶ Quick and easy to perform.
- ▶ Compact and light weight design.
- ▶ Fast and accurate results.
- ▶ Handy & reliable to use.
- ▶ Plunger release / locking button.
- ▶ Auto display off when not in use.
- ▶ Auto data save.
- ▶ Compressive strength calculation.
- ▶ User define report format.
- ▶ PC software for table & graph

The kit includes

- ▶ Digital Concrete Test Hammer
- ▶ Abrasive Grinding Stone
- ▶ Extra Spring
- ▶ Screw Driver
- ▶ Battery Charger
- ▶ Software CD
- ▶ Operating Instructions
- ▶ Foam Fitted Water Proof Carry Case
- ▶ Certification Certificate
- ▶ Battery Installed in Hammer



Optional

Performance should be check occasionally or after 500 impacts on the Anvil. The calibration value is 80 ±2.



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