

HT-225J Digital Rebound Test Hammer

DESCRIPTION

The device is used for non-destructive testing of compressive strength in concrete structures such as buildings, bridges, and tunnels.

TECHNICAL SPECIFICATIONS

Data Acquisition Instrument:

Input Methods	Touch, buttons
Input Languages	Chinese, English
Data Processing	Automatic data correction, calculation, and statistical analysis based on standards
Display	2.8-inch touch screen (400×240 pixels)
System Capacity	1000 components, with a maximum of 100 test areas per component
Power Supply	Rechargeable, built-in 3200mAh high-capacity imported lithium battery
Auto Shut-off	Adjustable up to 120 minutes
Real-time Positioning	4G base station positioning (only supported by HT-225JC)
Real-time Upload	Built-in 4G network (only supported by HT-225JC)

Mechanical Rebound Hammer:

Sensor Life	Over 200,000 cycles
Strength Range	10-60MPa
Nominal Kinetic Energy	2.207J
Rebound Spring Stiffness	785.0±30N/m
Impact Hammer Stroke	75mm
Pointer Friction Force	0.65±0.15N
Rebound Spring Extension Length	75±0.3mm
Rebound Spring Working Length	61.5±0.3mm
Rebound Hammer Tip Radius	25±1.0mm
Reading Consistency Error	≤±0.5 (difference between mechanical rebound hammer pointer reading and instrument screen reading)
Steel Anvil Calibration Rebound Value	80±2



KEY FEATURES

- **Laser Detection Module:** Contactless and frictionless, with a long service life and higher precision.
- **2.8-inch touch screen:** Diverse input methods, simple interface, and easy operation.
- **Built-in Bluetooth chip:** Connects to the Hichuang mobile app for real-time data upload.
- **Optional Bluetooth Printer:** For on-site printing of original records and test results.
- **Remote Upgrade Support:** Curve synchronization with industry standards and customizable for users.
- **Dedicated PC Analysis Software:** Easy data processing, analysis, and report generation.
- **Built-in GPRS:** Supports cloud data upload. The device comes with a built-in transmission account, ready to use upon startup (only supported by HT-225JC).
- **Automatic Upload in Signal Coverage:** After normal testing in areas without mobile signals, the device automatically uploads data when it is turned on within signal coverage (only supported by HT-225JC).

COMPONENTS



Copper Sulfate Crystals



Rebound Hammer Base

Power Adapter
USB CableWear-Resistant Rubber
Cover/Grinding StoneRebound Hammer
AccessoriesRebound Hammer
Maintenance Kit

Screwdriver



Carrying Case