

DIGITAL CONCRETE TEST HAMMER

HT-225DS/HT-225D/HT-75D/HT-20D

HT-225D is an integrated digital concrete test hammer which combines data processor and test hammer into one unit. It is widely used for non destructive testing quality of concrete and building materials in finished structure or prefabricated blocks. From its rebound value, the compressive strength of concrete can be calculated out automatically. All testing data can be stored in memory and transferred to PC by USB cable or wireless by Blue tooth. ●

HT-225DS is an innovation based on the HT-225D, which digital part (data processor) can be separated from main body on site and coupled with mechanical hammer easily by a simple push. So once the mechanical hammer brokes during testing, you can easily exchange another mechanical hammer and continue to work. Its mechanical hammer can work as normal analog test hammer without digital part. HT-225DS means more convenient, more cost saving and more flexible. HT-225DS has Bluetooth and data in memory can be downloaded to PC or micro printer wirelessly by Bluetooth or USB port by cable. ●



KEY FEATURES

- ✦ High contrast OLED display
- ✦ All setup can be made on site
- ✦ Automatic calculating compressive strength
- ✦ Automatic correction of impact direction
- ✦ All data will be stored in memory
- ✦ All data can be transferred to PC by USB cable or Bluetooth
- ✦ Dual display for analogue ruler and digital value
- ✦ Digital/Mechanical 2-in-1 (HT-225DS only)

Specifications

Model	HT-225DS	HT-225D	HT-75D	HT-20D
Type	Digital/Mechanical 2-in-1	Digital Only		
Display	OLED digital			
Measuring range	10-100N/mm ²			1-25N/mm ²
Accuracy	±0.1R			
Impact energy	0.225kgm (2.207Nm) for testing ordinary building and bridge construction		0.075kgm (0.735Nm) for testing small and impact-sensitive parts of concrete or artificial brick, paper roll	0.020kgm (0.196Nm) for testing mortar products
Communication	USB2.0 or Bluetooth	USB2.0 or Bluetooth(optional)		
Printing	Bluetooth micro printer (optional)			
Storage	1000 parts, 256 data for each part			
Operating temperature	-40°-60°C			
Power supply	3.7V Li-ion rechargeable battery charged via USB port			
Dimension (mm)	280x75x60			
Net weight	1.1kg			
Standards	ISO/DIS 8045, EN 12504-2, ENV 206, DIN 1048 part 2, ASTM C 805, ASTM D 5873, NFP 18-417, B 15-225, JGJ/T 23-2001, JJG 817-1993			

Digital Concrete Strength Tester

Standard package

HT-225DS/HT-225D/HT-75D/HT-20D	
main unit	1
Grinding wheel	1
USB cable	1
USB charger	1
Software CD	1
Operation manual	1
Carrying case	1

Optional accessory

Bluetooth micro printer

CONCRETE TEST HAMMER

HT-225A/HT-75/HT-20

Standard package - HT-225A

HT225A main unit	1
Grinding wheel	1
Screw driver	1
Spring	1
Operation manual	1
Carrying case	1

Standard package - HT-75

HT75 main unit	1
Grinding wheel	1
Operation manual	1
Carrying case	1

Standard package - HT-20

HT20 main unit	1
Grinding wheel	1
Operation manual	1
Carrying case	1

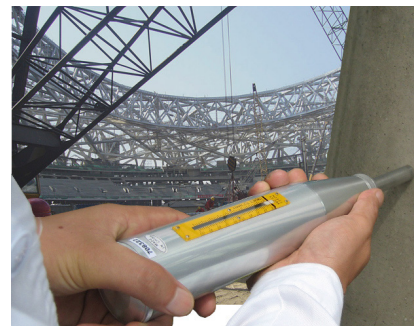
When testing the strength of concrete, the concrete test hammer uses a certain elastic force to transmit the impact force of an impact hammer to the surface of concrete, its initial kinetic energy redistributes, a part of energy in the form of plastic deformation or residual deformation is adsorbed by the concrete, and another part of energy which is proportional to the surface hardness is transmitted to the impact hammer, making the hammer resile to a certain height, then the strength of the concrete is derived from the proportional relation between the height of resilience and the concrete strength.

With the merits of simple structure, easy correction, maintenance and repair, and portability, the concrete test hammer is widely used in civil engineering and construction industry for testing the strength of concrete. Compared to other nondestructive testers, the concrete test hammer is an economical and practical nondestructive testing instrument.

HT-225A is used for testing the strength of various concrete members (slab, beam, column, truss) of normal building strength and bridge.

HT-75 is used for testing small and impact-sensitive parts of concrete or artificial brick.

HT-20 is used for testing mortar or clay of products. ●



» HT-20/HT-75

Specifications

Model	HT-225A	HT-75	HT-20
Measuring range	10-70N/mm ²		1-25N/mm ²
Impact energy	0.225kgm (2.207Nm)	0.075kgm (0.735Nm)	0.020kgm (0.196Nm)
Maximum breakdown friction of rider	0.49-0.78N(50-80g)	0.5±0.10N	
Meanvalue of steel-anvil rating of hammer	80±2	74±2	
Punch advance for impact hammer	75mm		
Application	for testing ordinary building and bridge construction	for testing small and impact-sensitive parts of concrete or artificial brick	for testing mortar products
Dimension (mm)	φ60x280		
Net weight	1.0kg		
Standards	ISO/DIS 8045, EN 12504-2, ENV 206, DIN 1048 part 2, ASTM C 805, ASTM D 5873, NFP 18-417, B 15-225, JGJ/T 23-2001, JJG 817-1993		

» HT-225A

