

STANDARD: ASTM C 805, BS 1881:202, NF P18-417, DIN 1048 AND UNI 9189

For the non-destructive testing of the surface of hardened concrete in order to evaluate the strength in various parts of a structure. The concrete hammer is supplied complete with carrying case, grinding stone, and instruction manual.



HT-75

Application	Lightweight aggregate concrete and Paper roll hardness testing
Impact energy	0.735 Nm
Strike hammer stroke	75 mm
The friction force of pointer slider	0.5±0.1 N
Spherical radius of strike rod	25±1 mm
The rebound values calibrated on steel anvil	74±2
Dimensions	Dia. 54×268 mm
Gross Weight approx.	2.1 Kg



HT-225

Impact energy	2.207 Nm
Measuring strength range	10 to 70 N/mm ²
Static friction of pointer slider:	0.65±0.15N
The rebound values calibrated on steel anvil	80±2
Free length of strike tension spring	75±0.3 mm
Spherical radius of strike rod	25±1 mm
Dimensions	Dia. 54×278 mm
Gross weight approx.	1.7 Kg
Body color	Silver/black/blue optional
Overall size	330*200*75mm



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HT-20 MORTAR TEST HAMMER

This instrument applies to inspect compressive strength of mortar in masonry for industrial and civil buildings in general sintered common brick masonry.

Measuring strength ranges	1.0-25 Mpa
Normal impact energy	0.196 J (0.02kgf.m)
Strike hammer stroke	75 mm
The friction force of pointer slider	0.5±0.1 N
Spherical radius of strike rod	25 mm
The rebound values calibrated on steel anvil	74±2
Dimensions	Dia. 54×268 mm
Gross weight approx.	1.6 Kg



HT-3000 CONCRETE TEST HAMMER

HT-3000 is a heavy type Concrete Test Hammer, its kinetic energy of impact is 29.43J. It is extensively used for testing the concrete's quality of large concrete component, water conservancy project, railway tunnel, mines, bridges, heavy ways of roads, runways, building foundation beams and etc.

Normal impact energy	29.43 J
Strike hammer stroke	200 mm
The friction force of pointer slider	0.98-1.47 N
Spherical radius of strike rod	55 mm
The rebound values calibrated on steel anvil	63±2
Hammer weight	2 Kg
Static friction between vernier and vernier shaft	100-150g
Dimensions	105×320×680 mm
Gross weight approx.	8 Kg

CALIBRATION DEVICE

Used for calibration of concrete test hammer (models HT series). Made of special alloy steel and supplied complete with traceable hardness certificate. It is essential for the periodical laboratory verification of the Rock classification hammer.



Type of calibration anvil	Type of concrete test hammer	Normal impact energy	Rebound values calibrated on steel anvil	Weight
EL35-1530	HT-225A, HT-225P, HT-225V, HT-225W	2.207 J	80±2	17 kg
GZ45	HT-3000	29.43 J	63±2	45 kg
GZ45A	HT-1000	9.8 J	83±2	/

HT-1000 CONCRETE TEST HAMMER

Model HT-1000 is suitable for inspecting compressive strength of high-rise building components, bridges and concrete structures (such as slabs, beams, columns, bridge etc.)

Measuring strength ranges	50-80 Mpa
Normal impact energy	9.8 J(1 Kgf.m)
Strike hammer stroke	140 mm
The friction force of pointer slider	0.5 - 0.8 N
Stiffness of strike tension spring	10 N/cm
The rebound values calibrated on steel anvil	83±2
Dimensions	Dia. 65×486 mm
Gross weight approx.	3.5 Kg



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HT-225W CONCRETE TEST HAMMER



This new and advanced model of digital concrete hammer microprocessor operated consists of the standard unit similar to the model HT225-A but equipped with an electronic transducer which converts the rebound of the hammer into an electric signal and displays it in the selected stress unit.

The digital hammer, which is battery operated, can be easily connected to a PC or serial printer via the RS 232 port. A large permanent memory can store up to 48000 results. Supplied complete with battery charger and serial cable.



HT-225W

Measuring strength ranges	10-60 Mpa
Impact energy	2.207 Nm
Strike hammer stroke	75 mm
The consistency of the sample displayed values	$\leq \pm 0.5$ (difference value between digital sampling output value and the pointer readings)
Stiffness of strike tension spring	785N/m
The rebound values calibrated on steel anvil	80 ± 2
Display	16-bit true color, 176×220 resolution, 5 grades backlight adjustment
Power	3.7v /2300mAh rechargeable lithium battery
Power consumption approx.	100 mA (Voice off) Maximum backlight situation
Communication interface	USB2.0 full-speed
Gross weight approx.	4.5 Kg

HT-225D



Scope of strength	10 to 70 N/mm ²
The kinetic energy of the nominal	2.207J
Spring stiffness	7.84N/cm
Impact hammer stroke	75mm
Consistency error	$\leq \pm 0.5$ (The difference between the reading of the pointer of the mechanical resilience meter and the reading of the instrument screen)
Steel anvil rate set rebound value	80 ± 2
Volume	55×55×270 mm
Weight	1.0 Kg
Operating ambient temperature	-10℃~40℃
Packing specification	Material: engineering plastic Volume: 420*140*335mm Weight: 6kg

SINCE 2006

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