

## RH225-A Concrete Test Hammer

LANGRY®



Note: The old version is HT225-N

### PRODUCT DESCRIPTION

#### APPLICATION

Used for testing the compressive strength of ordinary concrete in the range of 10 to 70 N/mm<sup>2</sup> (1'450 to 10'152 psi) in structural engineering

#### STANDARDS

- ISO/DIS 8045 International
- EN 12 504-2 Europe
- ENV 206 Europe
- BS 1881, part 202 Great Britain
- DIN 1048, part 2 Germany
- ASTM C 805 USA
- NFP 18-417 France
- B 15-225 Belgium
- JGJ/ T 23-2011 China

#### PRODUCT FEATURES

(1) Imported high-quality springs are more fatigue-resistant, aluminum alloy spring seat snap ring assembly

- (2) Adopt CNC machining center and other machine tools to refine the movement, and the rebound value is guaranteed.
- (3) Silicone bracket for soft hand protection, more comfortable rebound operation.
- (4) Finely grind the spherical zero-setting screws to make the rebound firing smoother and smoother.
- (5) Improved pointer design, easy to adjust friction and more stable.
- (6) Beautiful label and ruler are easy to read, and the hard oxidation treatment of the parts is beautiful and durable.
- (7) High-precision aluminum alloy flange is not easy to be damaged, and high-precision hook is not easy to be elastically empty due to abrasion.
- (8) Multiple original imported dust-proof components, cleaner movement and longer maintenance period
- (9) Abrasion resistance of super-hard 6061 aluminum alloy casing, and the button is not easy to fall off by stretching process.

## **SPECIFICATIONS**

Standard impact energy: 2.207 J (0.225kgf.m)

Pointer length:  $20.0 \pm 0.2$ mm

Friction of pointer:  $0.65 \pm 0.15$ N

Spherical radius of bouncing rod:  $25 \pm 1.0$ mm

Elastic tension spring stiffness:  $785.0 \pm 30.0$ N/m

Bounce hammer unhook position: Scale line "100" at the score line

Operating length of elastic tension spring:  $61.5 \pm 0.3$ mm

Stretch length of impact spring:  $75 \pm 0.3$ mm

Bounce hammer take-off position: Scale "0"

Calibration value on testing anvil:  $80 \pm 2$

## RH225-B Digital Concrete Test Hammer

**LANGRY®**



Note: The old version is HT225-NB

### PRODUCT DESCRIPTION

#### APPLICATION

Used for testing the compressive strength of ordinary concrete in the range of 10 to 70 N/mm<sup>2</sup> (1'450 to 10'152 psi) in structural engineering

#### STANDARDS

- ISO/DIS 8045 International
- EN 12 504-2 Europe
- ENV 206 Europe
- BS 1881, part 202 Great Britain
- DIN 1048, part 2 Germany
- ASTM C 805 USA
- NFP 18-417 France
- B 15-225 Belgium
- JGJ/ T 23-2011 China

## **PRODUCT FEATURES**

It has the functions of rebound sampling, automatic recording, automatic storage, automatic calculation, strength result viewing, field Bluetooth printing, background management settings, online upload data and so on. The work efficiency of rebound detection is greatly improved and the labor intensity of testing personnel is reduced.

- 1.It adopts mobile phone keystroke technology and seven-key design. The product is characterized by better hand feeling, longer life, faster response, easier to operate.
- 2.Large-size and highlighted OLED liquid crystal display screen can display more content information.
- 3.Built-in Bluetooth chip is connected to portable Bluetooth printer and can print out the original records and test results in the field.
- 4.Equipped with high-power loudspeaker, on-site voice count more clearly, can also be normally used in noisy environment.
- 5.The modular design of the electronic warehouse can be quickly assembled with the ordinary mechanical rebound apparatus into a new integrated digital rebound apparatus.
- 6.The rebound value is collected by non-contact grating and photocoupling sensor. There is no wire connection between the pointer block and the circuit board, Higher accuracy, more stable rebound value.
- 7.Removable large capacity lithium battery, super long standby, easy to maintain.
- 8.Upgrade dust-proof structure, easier maintenance, longer service life and more stable rebound value.
- 9.The computer online software adopts the latest data processing platform developed by LANGRY Technology, which has the function of automatic importing rebound value and automatic identifying port, integrating rich report formats and various data export formats, and giving users a more perfect experience

## **SPECIFICATIONS**

- 1.Memory storage:1000 standard components, each component can set 1-50 test areas
- 2.Display screen: 256\*64 (dot matrix), high-light OLED blue-ray display screen

3. Online communication rate: 115.2k bps
4. Battery Power: 4.2v lithium battery, 2300mAh
5. Standard impact energy: 2.207 J
6. Elastic tension spring stiffness:  $785 \pm 30\text{N/m}$
7. Stretch length of impact spring:  $75 \pm 0.3\text{mm}$
8. Calibration value on testing anvil:  $80 \pm 2$
9. Consistency of sampling indication:  $\leq \pm 1$