Testing Equipment for Construction Materials

HUMBOLDT

H-2987 Concrete Rebound Hammer

STANDARDS:
ASTM C805, ASTM D5873, BS 1881: Part 202,
ISO IDIS8045, ENV 206, IGJ/T 23-2001

H-2987

Humboldt's Concrete Rebound Hammer provides a reliable, yet economical, alternative to the Original Schmidt Hammer. It is designed for testing concrete 4" (100mm) or more in thickness with a maximum particle size less than or equal to 1.25" (32mm), providing a quick and simple test for obtaining an immediate indication of concrete strength in various parts of a structure. The Humboldt Rebound Hammer covers a compressive strength range of 1,450 to 9,000 psi (10 to 62 MPa).
To operate, the rebound hammer is pressed against the concrete structure and the rebound values are displayed on a mechanical sliding scale. These values can then be correlated to compressive strength by using the conversion table chart affixed to the hammer. It includes a grinding stone; a cloth, carrying case; instruction booklet and conversion charts.

Concrete Test Hammers are used extensively as a fast and inexpensive nondestructive test method for determining strength of in-place concrete. Hammer tests can be used as a reliable QC test to determine strength, as well as locations for taking test core samples. They can also be used to locate damage from freezing or fire.

To operate, the plunger rod is pressed against a concrete surface until a spring-loaded mass is released, causing the mass to impact the concrete. The rebound of the mass is registered on the hammer scale and referred to as the "rebound number". Calibration curves then provide a quick conversion to indicate the strength of the concrete. Accuracy can be greatly increased when the user correlates the rebound hammer readings with actual compression tests involving breaking cylinders of the same concrete mix.

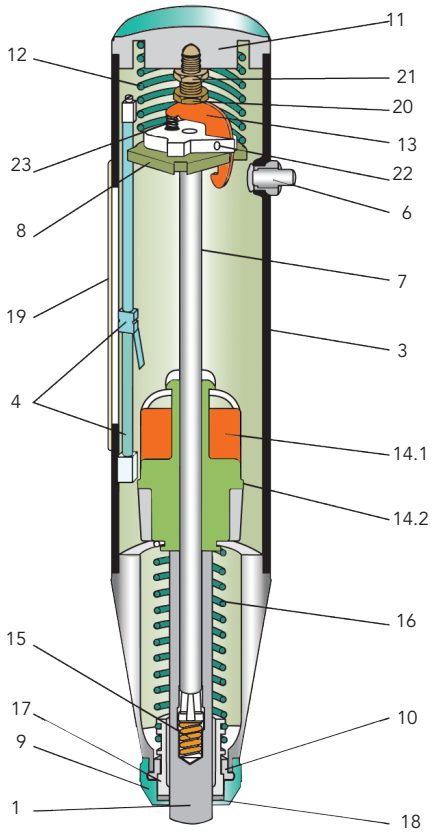
H-2987 Concrete Rebound Hammer

Humboldt provides Repair and calibration services for concrete rebound hammers, Call: 1.800.544.7220

Technical Specifications:

Weight	2 lbs. (0.9kg)
Shipping Weight	6 lbs (2.7kg)
Hammer Dimensions	10.5 (267mm) Long (with plunger retracted)
Carrying Case Dimensions	15.5" x 11.5" x 2.5" (394 x 292 x 64mm)

It is recommended that calibration of concrete rebound hammers be checked regularly — usually after about 2000 strokes. Humboldt provides repair and calibration services for all makes of concrete rebound hammers. We also sell parts for those who want to repair their own.



Accessories:

Grinding Stone for Rebound Hammers

Replacement grinding stone for Rebound Hammers.

Grinding Stone **H-2975.27**
Ship wt. 1lbs. (0.45kg)

H-2975.27

Calibration Anvil for Rebound Hammers

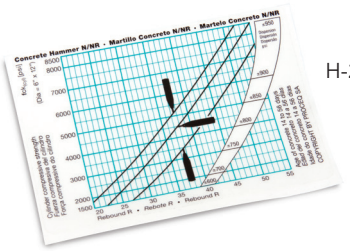
Calibration anvil ensures continued test accuracy. For use with all test hammers. Hammers should be periodically checked to determine correct performance.

Calibration Anvil **H-2972**
Ship wt. 40lbs. (18.1kg)

Conversion Chart Label

Replacement conversion chart for rebound hammers.

Conversion Chart Label (psi) H-2975.25
Conversion Chart Label (N/mm2) H-2975.25N
Ship wt. 1lbs. (0.45kg)



2975.25
H-2975.25N

H-2972

H-2975N Replacement Parts		
Key	**Description**	**Part#**
1	Impact Plunger	H-2975.1
3	Housing, complete	H-2975.3
4	Rider with Guide Rod	H-2975.4
6	Push-button, complete	H-2975.6
7	Hammer Guide Bar	H-2975.7
8	Guide Disk	H-2975.8
9	Cap	H-2975.9
10	Two-part Ring	H-2975.10
11	Rear Cover	H-2975.11
12	Compression Spring	H-2975.12
13	Pawl	H-2975.13
14	Hammer Mass	H-2975.14
15	Retaining Spring	H-2975.15
16	Impact Spring	H-2975.16
17	Guide Sleeve	H-2975.17
18	Felt Washer	H-2975.18
19	Plexiglas Window	H-2975.19
20	Trip Screw	H-2975.20
21	Lock Nut	H-2975.21
22	Pin	H-2975.22
23	Pawl Spring	H-2975.23

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