

Elcometer 181 Mechanical Concrete Test Hammer

Can be used in accordance with:
 ASTM C805, BS 1881:202, DIN 1048, EN 12504-2, ISO 8045, NFP18-417, UNI 9189



The concrete test hammer provides a quick, simple and inexpensive method for non-destructive evaluation of concrete compression strength and other masonry materials.

Concrete test hammers are one of the most widely used instruments in the field of non-destructive testing and Elcometer offer both mechanical and digital models, with Optional Calibration Certificate available.

This gauge consists of a spring loaded plunger which, when released, strikes the surface with fixed and constant impact energy. During the rebound stroke, the mass moves a pointer that indicates the maximum point of return and at the same time indicates a reference value called Rebound Number. This number, converted by the correlations available on the hammer, gives the compression resistance value in respect of the impact angle.

Features

- Impact Energy 2.207 Nm
- Supplied with grinding stone to prepare test surface, Aluminium body
- Rebound value indicated on test hammer
- Rebound value chart on body, for quick calculation of compressive strength
- Curve selection on chart dependant on testing angle
- The concrete hammer, often called a rebound hammer, is supplied with plastic carrying case, grinding stone & instr.

Technical Specifications

| Part Number | Description | Certificate |
|-----------------|---|-------------|
| Measuring Range | 10 – 60 MPa | o |
| Accuracy | Better than ± 2 Rebound Number (When tested on Calibration Anvil at 80) | |
| Resolution | 2 Rebound Number(s) | |
| Range | 10 to 100 Rebound Number(s) | |
| Dimensions | Hammer: 280mm length x 55mm dia, In Case: 350mm length x 80mm dia. | |
| Weight | 1.5kg with case | |

o Optional Calibration Certificate available

Accessories

| Part Number | Description |
|-------------|---|
| TW99919563 | Calibration Anvil (supplied complete with Test Certificate) |

Packing List

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| Elcometer 181 Analogue Concrete Test Hammer |
| Plastic Storage Case |
| Abrasive Stone & Operating Instructions |