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

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

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