

# Elcometer 182 Digital Concrete Test Hammer



*Elcometer 182 Digital Concrete Test Hammer*

**At a glance**

The gauge for the non destructive testing of concrete hardness and compressive strength.

Simple to use, immediate results displayed on the digital display

Internal memory for up to 5,000 readings.

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

**Elcometer 182 Digital Concrete Test Hammer**

The digital and more advanced version of the Elcometer 181, is equipped with an electronic transducer which converts the rebound values into a reading on the digital display. It displays a range of statistics and there is a facility to download to a PC.

The software and digital display are integrated into the design of the hammer.

- Light and easy to use
- High resolution and accuracy
- Possibility to store, display and download data to PC
- Setting of test parameters and factors (age, shape, correction factors)
- Rapid and simple calibration procedure
- Selection of testing angle
- Selection of unit (N/mm<sup>2</sup>, MPa, PSI, kgf/cm<sup>2</sup>) Automatic conversion of rebound index to equivalent compression strength
- Selection between 7 different correlation curves between rebound index and compressive strength, 2 pre-set and 5 user definable
- Statistical evaluation of test results (mean value, standard deviation, concrete strength estimation)
- Supplied with abrasive stone to prepare test surface
- Storage of up to 5000 results
- RS 232 output to PC
- Rechargeable internal battery

**Concrete Test Hammers**

Test hammers are used to determine the surface hardness of concrete and are one of the most widely used instruments in the field of non destructive testing (NDT) of concrete compressive strength. It is the quickest, simplest and least expensive method to obtain an estimate of the quality and strength of the concrete.

Both mechanical and digital test hammers are available.

<b>Impact Energy</b>	2.207 Nm
<b>Accuracy</b>	Better than $\pm 2$ Rebound Number(s) (When tested on Calibration Anvil at 80)
<b>Resolution</b>	0.1 Rebound Number
<b>Range</b>	10 to 70 MPa
<b>Memory</b>	5,000 tests
<b>Unit Selection</b>	N/mm <sup>2</sup> ; MPa; kg/cm <sup>2</sup> ; PSI
<b>Autonomy (Continuous Use)</b>	>5 Hours
<b>Dimensions</b>	Hammer: 280mm (11.02") length x 55mm (2.17") diameter In Case: 190 x 100 x 350mm (7.48" x 3.94" x 13.78")
<b>Weight</b>	2kg (4.4lbs) with case
<b>Shipping List</b>	Hammer, battery charger, serial cable for PC, abrasive stone, instruction manual, calibration certificate and carry case

Model	Description	Part Number		
		UK 240V	EUR 220V	US 110V
Elcometer 182	Elcometer 182 Digital Concrete Test Hammer	W182---1A	W182---1B	W182---1C
	Calibration Anvil (supplied complete with Test Certificate)	TW99919563		
	Replacement Mains Adaptor	TW18219475-1	TW18219475-2	TW18219475-3
	Mini Printer	X1829964B	X1829964C	X1829964D

## Related Products



Elcometer 181

This simple to use gauge consists of a spring loaded plunger which, when released, strikes the surface with fixed and constant impact energy.

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