

Durometer PCE-HT-225A



PCE-HT-225A Durometer Economical, practical and easy-to-use

PCE-HT-225A is a durometer or concrete test hammer, also called a concrete rebound hammer or Swiss hammer, used for non-destructive measurements of surface hardness and compression strength. Suitable for use with concrete, rock and building materials, this manufacturer-calibrated manual rebound hammer is economical, practical and easy to use.

The quality of concrete is judged mainly on the basis of compressive strength, since compressive strength is directly responsible for the structural behavior and durability of concrete constructions. The compressive strength is designated by a sequence of letters and numbers. For example, "B 25" is considered normal concrete with a compressive strength of 220 kg / cm² or 3100 psi. There are many intermediate values up to the highest strength class of "B 55." Thus, using this concrete hardness tester, you can quickly, easily and accurately classify concrete strength.

For psi concrete measurement, download the chart to convert rebound value to psi. Optional test anvil to verify accuracy listed under accessories.

- ▶ Employs mechanical rebound test method - no digital components
- ▶ Kg/cm², psi, and MPa conversion tables on back of instrument and in user manual
- ▶ Manufacturer calibrated - ISO calibration certificate available as an option (see accessories)
- ▶ Ideal for use in construction, structural engineering and material strength testing
- ▶ Includes two-year warranty against manufacturer defects
- ▶ Optional test anvil to verify accuracy listed under accessories

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Specifications

Test range 10 ... 60 MPa or 100 ... 600 kg/cm² or 1450 ... 8702 psi

Impact energy 2.207 J or N-m / 1.6278 ft-lb

Impact stroke 75 ± 0.3 mm / 2.95 ± 0.012 in

Spring rigidity 785 J or N-m / 578.99 ft-lb

Average rebound

value (for 80 ± 2

calibration)

Radius of spherical tip 25 ± 1 mm / 0.99 ± 0.04 in

Adhesion of the measurement tip 0.65 ... 0.15 N

Rebound value range 0 to 100 (without dimensions)


Conversion tables On back of instrument and in user manual; to convert rebound values indicated to kg/cm² and MPa (with introduction of impact angle)

Weight Approx. 1kg / 2.21 lbs

Dimensions Approx. 66 x 280 mm / 2.6 x 11.02 in

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