



PCE-HT-225A Concrete Hardness Tester
Heavy-duty Swiss rebound hammer / Easy to use and built to last

PCE-HT-225A is a heavy-duty concrete hardness tester or concrete test hammer, also called a concrete rebound hammer or Swiss hammer, used to measure surface hardness and material compression strength. Suitable for use with concrete, rock and building materials, this rugged, manufacturer-calibrated rebound hammer is both easy to use and built to last.

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

Technical Specifications of the Differential pressure gauge PCE HT-225A

Test range	10 ... 60 MPa or 100 ... 600 kg/cm ² 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 calibration)	80 ± 2
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/cm ² and MPa (with introduction of impact angle)
Weight	Approx. 1 kg / 2.21 lbs
Dimensions	Approx. 66 x 280 mm / 2.6 x 11.02 in

Delivery Content:

- 1 x PCE-HT-225A concrete hardness tester**
- 1 x Grindstone for rough surfaces**
- 1 x User manual**
- 1 x carrying case**

Optional Accessories:

Order no.: **PCE-BPHC 1**

Calibration block for concrete tester PCE-BPHC 1

Calibration block for concrete tester PCE-BPHC 1 for PCE-HT-225A, PCE-HT-75, and PCE-HT 225E

- Test anvil to verify readings of concrete test hammer
- Overall weight of 18 kg / 37 pounds
- Hardness of steel core is 60 ±2 HRC
- Used to calibrate Normal (HT-225) and Lightweight (HT-75) test hammers

