LOW-FORCE-CONCRETE TESTER

PCE-HT-75-ICA



- **Solid design**
- **Special check body for almost infinite concrete tests**
- **Very easy to use**
- **Conversion table no the back**
- **Measurement adjustments listed in the user's manual**
- **Optional ISO calibration ceritificate**
- **General information about concrete's resistance to pressure**
- **Resistance to pressure is generally defined as the measurement of resistance to**
- **breaking under a particular pressure load at an axis during a brief point in**

The hardness tester for concrete is easy to use and is fundamentally used in the construction industry as well as other industrial sectors (testing for Wickel hardness of rolls in commodities). This durometer in the form of a hammer device for testing concrete is based on the Swiss principle of measurement. Testing is always done under the same test energy of .735 J. The kinetic energy of the rebound is given by the device as the measurement of the hardness of concrete, of the pressure upon the surface or as the resistance to pressure (kg/cm^2 or its conversion to N/mm^2).
The quality of concrete is useful in understanding the material's resistance to pressure, as an orientating value for testing the load capacity and durability of concrete constructions. Resistance to pressure is represented as a series of numbers and letters, for example: B 25 indicates that the material is normal concrete with a resistance to a pressure equal to 25 N/mm^2.

Specification

General technical data	
Nominal kinetic energy	0,735 J
Elongation of the spring	75 mm ±0.3 mm
Average rebound value	74 ±2
Radius of the spherical tip	25 mm ±1 mm
Adhesion of the measuring tip	0.4 ... 0.6 N
Protection class (device)	IP41
Operating conditions	5 ... 35 °C , 0 ... 85 %RH
Storage conditions	5 ... 35 °C , 0 ... 85 %RH
Dimensions (L x W x H)	268 x 54 x 54 mm
Weight	1000 g

PCE Americas Inc. dba PCE Instruments
1201 Jupiter Park Drive, Suite 8
Jupiter, FL 33458
USA

Phone: +1-561-320-9162
info@pce-americas.com