

HARDNESS TESTING

HARDNESS TESTER PCE-900

Leeb hardness tester for metals / measurement of tensile strength

The Leeb hardness tester PCE-900 measures the hardness of nine different metals using the Leeb rebound method. This means that an impact body bounces on a metallic surface and the intensity of the rebound is used as an indicator of the material hardness. The hardness test instrument PCE-900 can show the metal

hardness in 6 different hardness scales, including: Rockwell, Vickers, Leeb, Brinell and Shore. A distinction is made between Rockwell B and C when measuring in the Rockwell scale. Via the data interface, the measured values can be transmitted live to the PC. The delivery scope is completed by an ISO calibration certificate.

ISO cal option

- ▶ hardness test by the rebound method
- ▶ nine saved material characteristic curves
- ▶ easy to use
- ▶ data interface
- ▶ six different hardness scales
- ▶ incl. D-type impact device and test block
- ▶ optional software available



APPLICATION



TECHNICAL SPECIFICATIONS

Measurement range	200 ... 900 HLD
Measuring accuracy	±10 HLD
Materials	9 different materials
	Leeb: HL
	Rockwell C: HRC
	Rockwell B: HRB
	Brinell: HB
	Vickers: HV
	Shore: HSD
Hardness scales	
Display	12.5 mm LCD with backlight
Included impact device	D-type
Memory	50 data records
Interface	RS-232
Power supply	4 x 1.5 V AAA batteries
Operating temperature:	-10 ... 50 °C
Environmental conditions	Storage temperature: -30 ... 60 °C
	relative humidity: <90 %
Dimensions	142 x 77 x 40 mm
Weight	Meter: ca. 130 g
	Impact device: 75 g
Cable length	approx. 1.2 m

Optional accessories:

Surface adaptor for concave spherical surfaces	Order code	HK16.5-30	16.5 ... 30 mm
Surface adaptor for concave spherical surfaces	Order code	HK12.5-17	12.5 ... 17 mm
Surface adaptor for concave spherical surfaces	Order code	HK11-13	11 ... 13 mm
Surface adaptor convex	Order code	Z25-50	25 ... 50 mm (outside)
Surface adaptor convex	Order code	Z10-15	10 ... 15 mm (outside)
Surface adaptor concave	Order code	HZ16.5-30	16.5 ... 30 mm (inside)
Surface adaptor concave	Order code	HZ12.5-17	12.5 ... 17 mm (inside)
Surface adaptor concave	Order code	HZ11-13	11 ... 13 mm (inside)



Subject to change without notice