



Technical Hardness Tester PCE-2600N

Material Tester PCE-2600N for measuring surface hardness / OLED /

compact design / handheld measuring instrument/

limit alarm / measuring direction 360 °

The material tester is used wherever a fast hardness test has to be carried out. It is possible with the material tester to determine the surface hardness of many metals. The material tester is particularly suitable for quality or material inspection. The measured values can be stored in the internal memory and recalled later. Please note that the measured values can only be read from the material tester on the display and it does not offer any readout.



One-hand operation of the material tester allows for convenient use in different locations. Due to its construction, the material tester also offers the possibility to determine the surface hardness in bores or other depressions. The small design of the material tester contributes to the functionality as does the light OLED. The OLED from the material tester shows many functions so that the user directly recognizes which parameters are measured, which measuring direction is selected, and which hardness has been measured.

- limit alarm
- suitable for measurement in bores
- surface measurement on many metals
- internal memory for measurements
- bright OLED
- handheld measuring instrument



Technical specifications:

Measurement method Impactor	According to Leeb DL
Measuring range	HLD: 170 ... 960 HRC: 17.9 ... 69.5 HB: 19 ... 683 HV: 80 ... 1042 HS: 30.6 ... 102.6 HRA: 59.1 ... 88 HRB: 3.5 ... 101.7
Measurement accuracy	HLD: $\pm 0.5\%$
Maximum hardness	1042 HV
Striker	Type D
Display	128 x 64 mm / 5 x 2.5 in OLED
Repeatability	HLD: $\pm 0.8\%$
Hardness max.	1042 HV
Measurement units	HLD, HRC, HB, HV, HS, HRA, HRB
Display	15 mm / 0.59 in

Material

Steel
Cast steel
Alloy tool steel
Stainless steel
Cast iron
Nodular cast iron parts
Cast aluminum alloy
Brass
Bronze
Tin bronze

Measuring ranges on different material surfaces

Material	
Steel	HRC: 17.9 ... 68.5 HRB: 59.6 ... 99.6

	HRA: 59.1 ... 85.8 HB: 127 ... 651 HV: 83 ... 976 HS: 32.2 ... 99.5
Tool steel	HRC: 17.9 ... 68.5 HRB: 59.6 ... 99.6 HRA: 59.1 ... 85.8 HB: 127 ... 651 HV: 83 ... 976 HS: 32.2 ... 99.5
Stainless steel	HRB: 46.5 ... 101.7 HB: 85 ... 655 HV: 85 ... 802
Cast iron	HB: 93 ... 334
Brass	HRB: 13.5 ... 95.3 HB: 40 ... 173
Bronze	HB: 60 ... 209
Copper	HB: 45 ... 315
Battery life	ca. 10 h
Power supply	Polymer Li-ion battery, 3.7V
Interface	USB 2.0
Dimensions	205 x 32 x 25 mm / 8 x 1.3 x 1 in
Weight	650 g / 1.4 lbs
Display	128 x 64 mm / 5 x 2.5 in OLED
Opearting conditions	-10 ... 50°C / 14 ... 122°F , <90% r.H.
Storage conditions	-30 ... 60°C / -22 ... 140°F, <90% r.H.

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