

## Technical Material 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 according to Leeb

Impactor 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 " OLED
Repeatability	HLD: $\pm 0.8$ %
Hardness max.	1042 HV
Measurement units	HLD, HRC, HB, HV, HS, HRA, HRB
Display	15 mm / 0.59"

<b>Material</b>	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, 3.7 V
Interface	USB 2.0
Dimensions	205 x 32 x 25 mm / 8 x 1.3 x 1 "
Weight	650 g / 1.4 lbs
Display	128 x 64 mm / 5 x 2.5 " OLED
Operating conditions	-10 ... +50 °C / 14 ... 122 °F , <90 % r.H.
Storage conditions	-30 ... +60 °C / -22 ... 140 °F, <90 % r.H.

**Delivery contents:**

- 1 x Material Tester PCE-2600N
- 1 x Impactor
- 1 x Calibration block
- 1 x Cleaning brush
- 1 x Carrying case
- 1 x Operation manual