

HARDNESS TESTER FOR METALS

PCE-2500N



- » Displays measurements in Rockwell A, B or C (HRA, HRB or HRC), Brinell (HB),
- » Vickers (HV), Shore (HS) or Leeb (HLD)
- » Measurement ranges: 170 ... 960 HLD, 17.9 ... 69.5 HRC, 3.5 ... 101.7 HRB, HB
- » 19 ... 683 HB,
- » 80 ... 1042 HV, 30.6 ... 102.6 HS, 59.1 ... 88 HRA
- » Accuracy: ± 0.5 HLD
- » Type D impact device
- » Measuring principle: Rebound method
- » For use with metal materials
- » Pocket-sized design
- » Rechargeable Li-ion battery

PCE-2500N is a portable handheld pen-sized digital material hardness tester, rebound hammer or durometer for use with metals. This high-accuracy hardness tester quickly and accurately measures the surface hardness of 10 common metal materials including steel, cast steel, alloy tool steel, stainless steel, cast iron, ductile iron, cast aluminum alloy, brass, bronze and copper.

Specification

Hardness	
Measuring range	170 ... 960 HLD
Resolution	1 HLD
Accuracy	±0.5%
Hardness	
Measuring range	17,9 ... 69,5 HRC
Resolution	0,1 HRC
Accuracy	±0.5%
Hardness	
Measuring range	19 ... 683 HB
Resolution	1 HB
Accuracy	±0.5%
Hardness	
Measuring range	80 ... 1042 HV
Resolution	1 HV
Accuracy	±0.5%
Hardness	
Measuring range	30,6 ... 102,6 HS
Resolution	0,1 HS
Accuracy	±0.5%
Hardness	
Measuring range	59,1 ... 88 HRA
Resolution	0,1 HRA
Accuracy	±0.5%
Hardness	
Measuring range	3,5 ... 101,7 HRB
Resolution	0,1 HRB
Accuracy	±0.5%

General technical data	
Measuring functions	MIN, MAX, Average value
Measuring principle	Rebound method
Display type	OLED
Display size	0,6 Inch
Display resolution	128 x 64
Storage medium	Internal memory
Storage capacity	600 Values
Memory capacity (additional information)	6 files
Interface	Micro-USB
Materials	Stainless steel, Steel, Bronze, Brass, Grey cast iron, Cast steel, Spheroidal graphite cast iron, Cast aluminium alloy, Tin bronze, alloyed tool steel
Operating time	10 h
Repeatability	0,8 %
Impact device	D-type
Hardness scales	HRC, HRB, HRA, HB, HV, HS, HLD
Test specimen	Tungsten carbide, hardness-1600 HV, Ø 3 mm
Menu language	English, Chinese, English (GB)
Protection class (device)	IP52
Power supply	5 V DC
Connector type	Device-europlug
(Rechargeable) battery	1 x 3,7 V internal , Lithium-ion battery
Capacity	240 mAh
Operating conditions	-10 ... 50 °C , 0 ... 90 % RH
Storage conditions	-30 ... 60 °C , 0 ... 90 % RH
Dimensions (L x W x H)	148 x 32 x 25 mm
Weight	650 g