

Technical Hardness Tester PCE-1000

Durometer for metallic materials

The PCE-1000 portable durometer is ideal for testing surface hardness of metallic surfaces quickly. In metallurgy, its very important to know the hardness of the materials being used and this device allows the materials to be tested in the factory. The durometer brings together the parameters of Rockwell B & C, Vickers HV, Brinell HB, Shore HS and Leeb HL.

This hardness meter is very useful in production, quality control and technical service. thanks to its portability. Its compact design and rechargeable battery makes this a very easy device to use. The PCE-1000 durometer can be used in any position but doesn't have the capability to transfer or store data.

Advantages:

- pocket-sized device requires minimal space
- measures the typical parameters
- Integrated instrument without cables
- Wide measurement range
- Highly accurate
- Can measure from any position
- Rechargeable battery and charger included
- Wide variety of optional adaptors

Technical specifications

Measurement ranges

	HRC	HRB	HB	HV	HSD
Steel/ iron	20 to 67.9	59.6 to 99.5	80 to 647	80 to 940	32.5 to 99.5
Tools	20.5 to 67.1			80 to 898	
Stainless steel	19.6 to 62.4	46.5 to 101.7	85 to 655	85 to 802	
GC. iron			93 to 334		
NC. iron			131 to 387		
Cast			30 to 159		

aluminium

Brass 13.5 to 95.3 40 to 173

Bronze 60 to 290

Copper 45 to 315

Scales of hardness HL, HRC, HRB, HB, HV, HSD

Types of materials (adjustable) STEEL
CWT. STEEL
STAIN. STEEL
GC. IRON
NC. IRON
C. ALUMIN
BRASS
BRONZE
COPPER

Accuracy ± 6 HL para HL = 800 (0.8%)

Instrument of percussion type D (integrated)

Minimum hardness 940 HV

Radius of the moving component (convexed /
concaved) R min = 30mm (with 10mm component)

Minimum weight of the moving component 5kg without base
2 to 5kg with base
50g to 2 kg with base and accompanying board

Minimum depth of the moving component 3mm with accompanying board

Minimum penetration 0.8mm

Power 9V DC rechargeable

Operating time 12h

Maximum temperature of the moving component +120°C

Operating temperature 0 to 50°C

Dimensions 100 x 60 x 33mm

Weight 150g

Delivery Contents:

- 1 x PCE-1000 durometer
- 1 x elastic pin
- 1 x test block
- 1 x charger
- 1 x cleaning brush
- 1 x case
- 1 x user's manual