

Portable Hardness Tester EPX5500 with Touch Screen



EPX5500 is a portable hardness tester based on the rebound principle of Leeb hardness scale (see Equotip). Compact size, lightweight and easy to use.

Featuring low power consumption, provided with internal rechargeable Lithium 3.7V battery and its charger. Many features customizable in menu from which the user can also perform a self **calibration** using a sample block (included).

Suitable for measuring the hardness in very heavy or bulky parts, difficult to access parts and in production.

Can test the hardness on curved surfaces using, if necessary, the support rings on the impact devices. It can also measure in any direction, automatically compensating the gravitational effects on the impact body.

Can mount the type D impact device, and other five impact devices such as DC, C, D+15, DL and G.

Has the ability to store up to 800 values, with easy recall using the touch screen. The instrument is supplied with thermal printer interface, which communicates via IR (Infrared), it is not necessary to connect some cable and then it becomes easy to create test reports, very complete and customizable, directly on the piece. In the report printed are indicated the types of impact device used, the material on which you are testing, the direction of impact, the hardness value in the selected scale and in Leeb scale, the date, the average of the measures and the difference between maximum and minimum values.

Wide measurement range in Leeb scale, automatically converts the hardness in Rockwell HRB and HRC, Vickers HV, Brinell HB, Shore HS scales and may indicate the tensile strength in MPa.

Provided with **CE** marking and complies with **ASTM A956-02**.

Standard Configuration

- » Touch Screen Main Unit
- » Impact device type D
- » Small Support ring
- » Touch Pen
- » Cleaning brush
- » Sample Block
- » Thermal Printer
- » Manual
- » Carrying case.

Specifications:

Resolution	1HL, 1HV, 1HB, 0.1HRC, 0.1HRB, 1HS, 1MPa
Scales	HRC, HRB, HB, HV, HSD, MPa
Precision	± 6 HL (HL = 800)
Display	Menu in English
Functions on Display	Direction of impact, battery consumption, hardness scale, hardness value, average value, type of material, number measures, date.
Interface	Wireless IR and USB
Sample requirements	See here
Materials	Steel and steel castings, tool steel, stainless steel, cast iron and ductile castings and aluminum alloys, brass alloys, zinc, brass, bronze alloys, copper alloys
Diraction	In every angle
Power supply	Lithium rechargeable battery to 3.7V
Working Temperature	0 ~ +40 °C
Stock Temperature	-30 ~ +80 °C
Dimensions	135 x 83 x 24 mm
Weight	230g

Range and conversions

Materials	HL	HV	HB	HRC	HRB	HSS	Tensile Strength
Steel & cast steel	300-910	83-976	140-651	19.8-68.5	59.6-99.6	26.4-99.5	375-2639
Cold work tool steel	300-640	80-900		21-67			
Stainless steel	300-800	85-802	85-655	20-62	47-102		
Cast iron	360-660		140-387				
Cast aluminum alloys	170-560		30-159				
Copper/zinc alloys (brass)	200 to 550		40-173		13.5-95.3		
CuAl/CuSn alloys (bronze)	300-700		60-290				
Wrought copper alloys, low alloyed	200-690		45-315				