



Portable Hardnesstester KH-260/ KH260+





KH-260/KH-260plus Technical Specifications

Feature

- Pen type design, self contained (Impact device and display integrated): no cables.
- The unique large-screen OLED color display (1.77-inch OLED Screen) integrated hardness tester in the world
- Double coil design for impact device, no A/D conversion error, to get the speed ratio directly with high repeatability
- Interchangeable D impact device (standard) /DL impact device (optional) can achieve one unit dual use; can be used in the restricted area measurement.
- With battery compartment, battery can be replaced. Using standard AAA Lithium battery.
- Highly accuracy in any impact direction (360°), automatically identify impact direction and gravity compensation
- Easy Operation, the four soft keys above the screen achieve the various functions.

Working Principle

The impact body impacts into the work piece and rebounds back. The rebound and impact velocities are measured at the 1mm point from the work piece in the following way: the integrated permanent magnet will produce directly proportional voltage with the impact velocity. The Leeb hardness values are calculated by the following formula:

$$HL = \frac{V_B}{V_A} \times 1000$$

Instrument Specifications

Display Type	1.77 inch OLED with resolution 160x128 pixels
Hardness Scale	HL, HB, HRB, HRC, HV, HS. σb.
Measuring Range	HLD (200-960) HRC (19.8-68.5) HB (30-651) HV (80-976) HS (26.4-99.5) HRB (13.5-100) .σb.(375-2639)
Impact Device	D type impact device (Standard); Optional DL type impact device(Only LM330)
Accuracy	±6HLD (HLD=800), Repeatability < 6HLD (HLD=800)
Measuring direction	360 degree by manual setting
Material	Steel& Cast Steel, Stainless Steel, GC IRON, NC IRON, Cast Aluminum alloy, Macht metal, Copper-tin alloy, Brass, Forged Steel
Resolution	1HL, 1HV, 1HB, 0.1HRB, 0.1HRC, 0.1HS
Calibration	Automatic
Language	English
Memory:	1000 groups ,each group include 6 testing result and 1 average value(Only LM330)
Communication	USB port, used for recharging and data transmission ((Only LM330))
Software	LmVIEW Software for transmission, storage, and printing (Only LM330)
Power	AAA Polymer lithium battery ,Capacity of 600 MA/H,voltage:3.7 V, warning under low

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	voltage
Instrument Shut-off	AUTO OFF after 3 minutes of inactivity
Temperature	-10°C~ +50°C
Net Weight	110g with D type impact device,125g with DL type impact device
Size	150mm*46mm*23mm
Standard	GB/T 17394-1998, ASTM A956

Optional Accessories

DL Impact Device Connector	Calibration Block (3 kinds of hardness)	Supporting Ring(14 types)
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