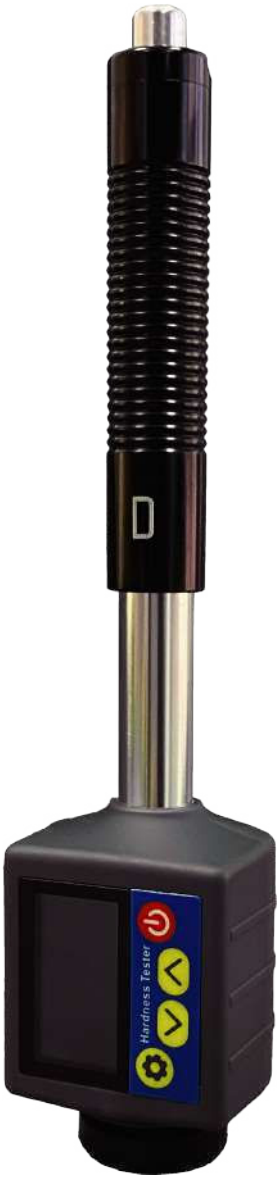
Mikrosize®

iLeeb-150

Pen Type Leeb Hardness Tester

Video



Contact us

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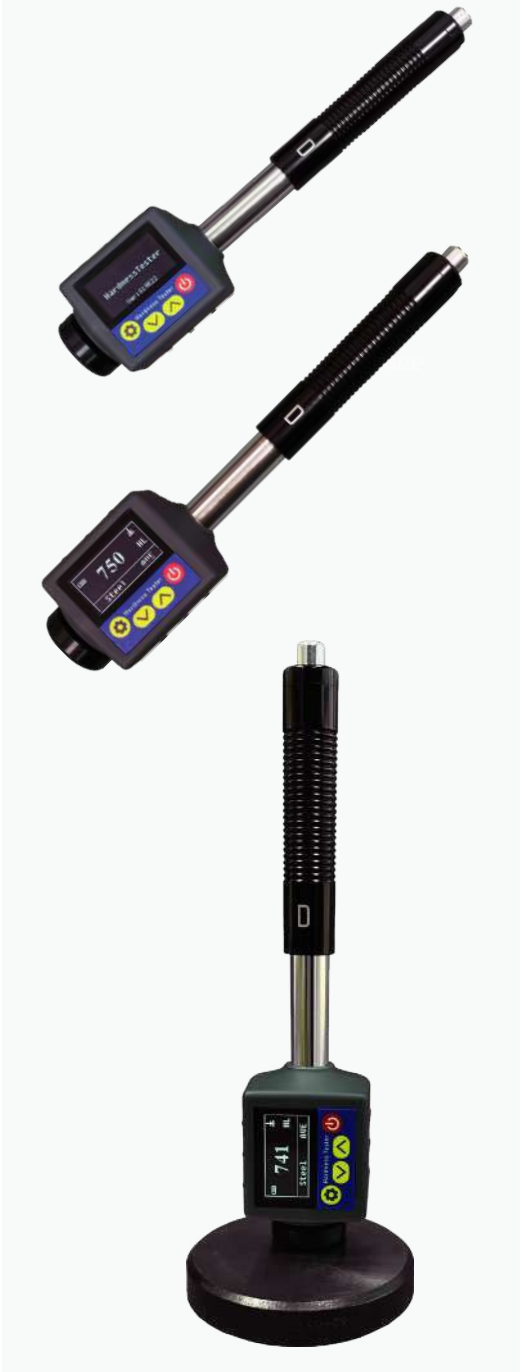
Product Features and Application

Product Features

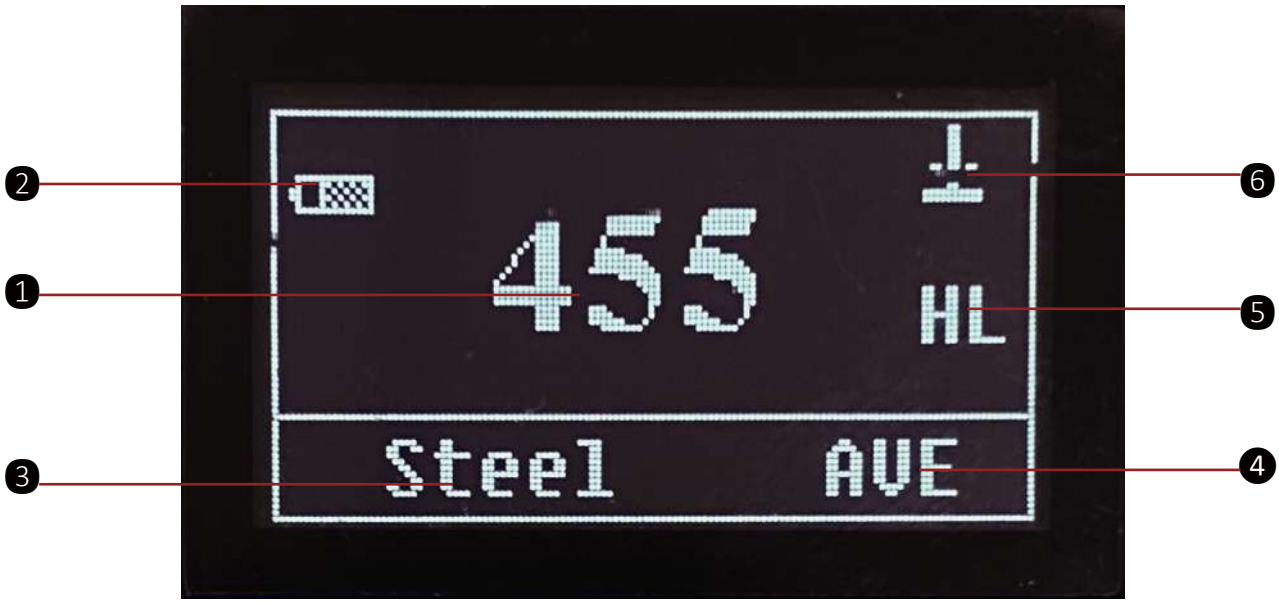
- Intelligent and user-friendly, compact and portable, with an integrated design devoid of connecting cables, enhancing reliability;
- Industrial-grade high-brightness OLED display, visible even under direct sunlight, suitable for various lighting conditions;
- High-precision measurement circuit ensuring an indication error of ±0.5% (HLD=800) and indication repeatability of 0.8%;
- Supports multiple hardness scales: HL, HV, HRC, HRB, HB, HS;
- Capable of storing 270 sets of hardness measurement data, each set including average value and hardness scale;
- USB charging, compatible with most digital product interfaces such as smartphones;
- When testing "forged steel" samples with a D-type impact device, the HB value can be directly read without manual table lookup;
- Pre-set upper and lower hardness limits with automatic alarms when out of range, facilitating users' batch testing needs.



Product Application

- Mold cavities, heavy workpieces, large bearings, and other parts
- Failure analysis of pressure vessels, turbine generator sets, and their equipment
- Installed machinery or permanently assembled components, workpieces with limited testing space
- Requirements for formal original records of test results
- Rapid inspection of multiple measurement points within a large range on large workpieces

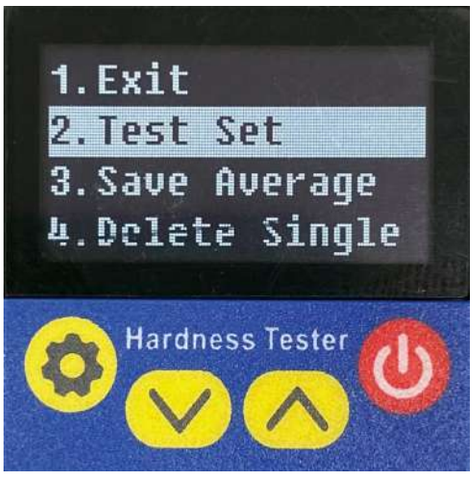
Interface Display

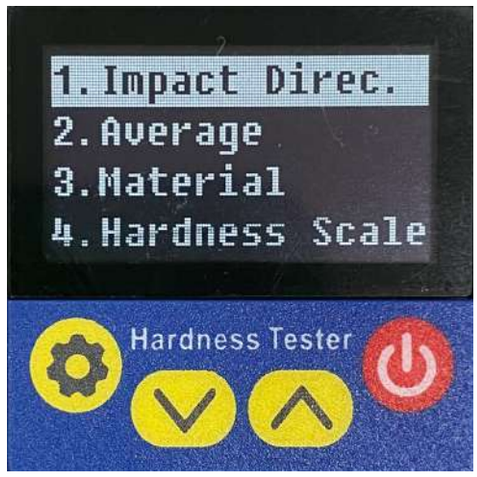


1.Measurement Value **2.Battery Level** **3.Impact Material** **4.Average Value**
5.Hardness Scale **6.Impact Direction**

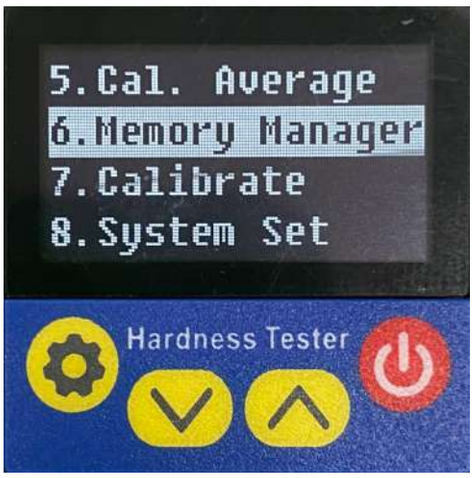
1. Menu **2. Down** **3. Up** **4. Power Switch**

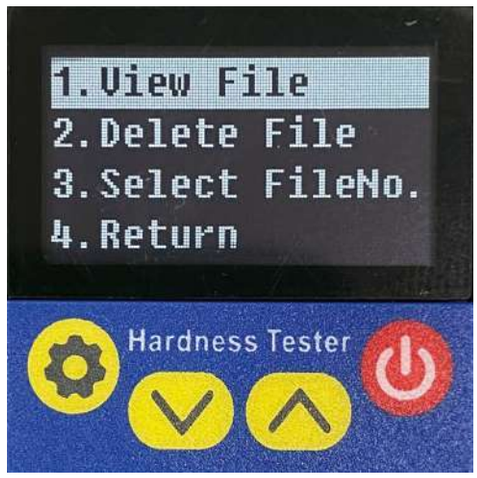
Setting Interface



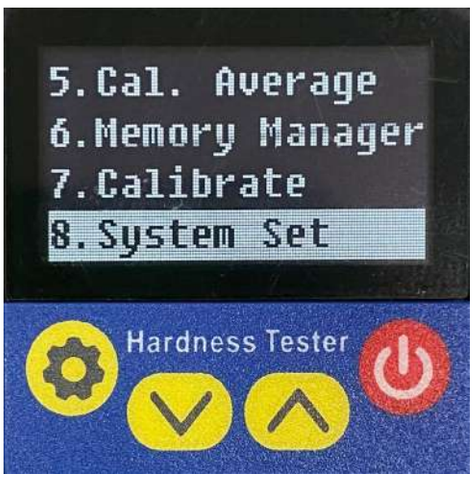


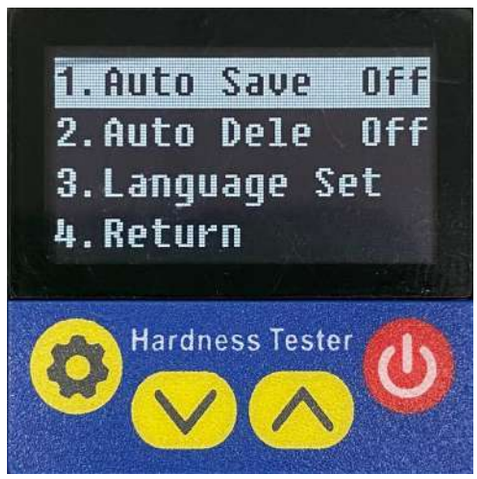
Measurement Settings: On this interface, users can set the instrument's impact direction, average number of impacts, impact material, hardness scale, and upper and lower tolerance limits.





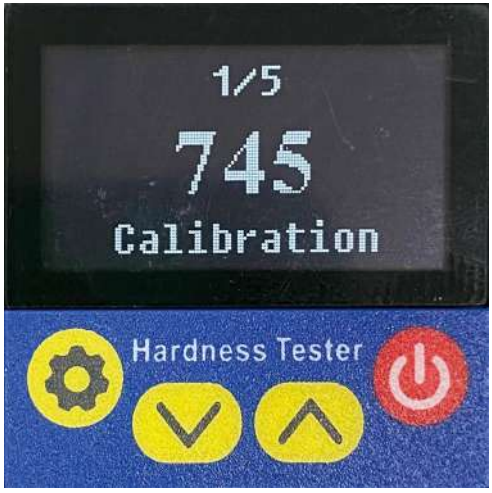
Memory Settings: On this interface, users can select to browse files, delete files, and select storage files.





Instrument Settings: On this interface, users can set the instrument's automatic storage function, eliminate gross errors, and choose the language.

Instrument Calibration



When the measurement error is relatively large, users can calibrate this instrument using a standard Leeb hardness block. Measure five points on the standard Leeb hardness block to obtain an average value, and users can adjust according to the hardness block value

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Technical Parameters

Measuring Range	(170-960) HLD, (17.9-69.5) HRC, (19-683) HB, (80-1042) HV, (30.6- 102.6) HS, (59.1-88) HRA, (13.5-101.7) HRB
Measuring Directions	Testing Direction:360 Vertical,Tilt down, Level,Slope,Vertical up
Hardness Scale	HL, HB, HRB, HRC, HV, HS
Display Resolution	±0.5%(HLD =800)
Repeatability of Indication	0.8%(HLD =800)
Impact Device: D/DL	Impact energy: 11mJ
	Impact mass: 5.5g/7.2g
Indication Error	±0.5%
Display	Industrial grade 128 × 64 graphic dot matrix OLED liquid crystal
Power Supply	Rechargeable Li battery
Working Time	20 hours
Dimensions	148mm×30mm×30mm

Standard Delivery

Items	Qty	
Main unit	1pc	
Standard test block	1pc	
Cleaning brush	1pc	
Small support ring	1pc	
Battery charger	1pc	
Manual	1copy	
Communication cable	1pc	
Instrument box	1pc