

Ultrasonic Hardness Tester

Model : Leeb918



Features:

- Carried standards: DIN 50159-1-2008; ASTM-A1038-2005; JB / T 9377-2010; JJG-654-2013; GB \ T34205-2017.
- New appearance design, innovative sculpt, convenient to hold and good craft.
- 3.5 inches large LCD screen with 320×480 color graphics dot matrix, beautiful font and graphics, rich information and clear display.
- Full English display, menu-type operation, few keys, simple and convenient to operate.
- For materials with different elastic modulus, only a simple point calibration is required to adapt to the new material.
- Provide multi-point calibration function for any hardness standard. For materials without conversion table, users only need to prepare 2 to 10 test samples with different hardness to directly calibrate the hardness (Hardness standard is arbitrary, as long as these 2 to 10 samples have the same standard).
- Tiny test indentation - smaller than a Leeb hardness tester and requires a high-power microscope to see.
- High test speed -- output test results within 2S.
- Easy to test on assembly line -- compare with Leeb hardness tester.
- 50 sets of data storage -- the data includes time information.
- 360° test without correction.

Application:

- adopts ultrasonic contact impedance method, test with high precision, fast speed, portability, and easy operation. It can cover the hardness measurement of most ferrous metals, nonferrous metals and their alloys in industrial production.
- Hardness test of flange edge and gear root stamping parts, mold, thin plate, face-hardened gear tooth, gear groove and taper part
- Hardness test of axle and thin-wall pipes and vessels
- Hardness test of wheels and turbine rotors
- Hardness test of bit edge
- Hardness test of welding parts
- Measure the depth of deep hole with certain aperture, concave and convex mark with large radii, and irregular plane

Technical Specification :

Model	Leeb918							
Measuring Range	HV50-1599, HRC20-76, HB76-618, HRB41-100, HRA61-85.6, Mpa255-2180							
Hardness parameter	HRC, HRB HRA HB HV							
Accuracy	HRC:±1.5HRC; HB:±3%HB; HV: ±3%HV							
Allowable Max. Error %	Standard Blocks	HV10	HV5	HV2	HV1	HV0.8	HV0.3	HV0.1
	<250HV	4	4	4	4	4	5	5
	250-500HV	4	4	4	4	4	6	6
	500-800HV	4	4	5	5	5	7	7
	>800HV	4	4	6	6	6	8	8
Impact Energy	2Kgf (Optional: 0.5Kg、1Kg、5Kg、10Kg)							
Display	3.5-inch LCD color display							
Memory	50 groups of data & 10 calibration files							
PC Connection	Available							
Printer	Available (Bluetooth)							
Battery type	Rechargeable Li-ion battery 3000mAh, 3.6V							
Operating temperature	-20°C~+50°C							
Standard Delivery	Main unit, Probe (2kgf), Probe cable, 5V power adapter, Carrying case, Standard test block, Manual, Warranty card							
Optional Accessories	Probe (optional 0.5kgf, 1kgf, 5kgf, 10kgf)							

Optional Probes :

Probes	0.5kg	1kg	2kg	5kg	10kg
Test Force	5N	10N	20N	50N	98N
Diameter of probe	22mm	22mm	22mm	22mm	22mm
Length	150mm	150mm	150mm	150mm	150mm
Diameter of sensor	2.4mm	2.4mm	2.4mm	2.4mm	2.4mm
Max. Roughness	Ra<3.2um	Ra<3.2um	Ra<5um	Ra<10um	Ra<15um
Min. Weight	0.3kg	0.3kg	0.3kg	0.3kg	0.3kg
Min. Thickness	2mm	2mm	2mm	2mm	2mm

