

## UCI Hardness Tester Leeb918



## Features

- Adopt ultrasonic contact impedance method, test with high precision, fast speed, portability
- Carried standards: DIN 50159, ASTM-A1038, JB / T 9377, JJG-654, GB/T34205.
- 3.5 inches large LCD screen with 320×480 color graphics dot matrix.
- Full display, menu-type operation, easy to operate.
- One-point calibration function: to adapt to materials with different elastic modulus.
- Multi-point calibration function: calibrate various scales and can adapt to composite or new materials.
- High test speed, output test results within 2S.
- Memory: 50 groups of data.
- Test in 360° without correction. ( Angle between probe and testing object  $90^{\circ} \pm 5^{\circ}$  )

## Application

- Hardness measurement of most ferrous, nonferrous metals and 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 Parameters

Model	Leeb918							
Testing Range	HV50-1599, HRC20-76, HB76-618, HRB41-100, HRA61-85.6, Mpa255-2180							
Hardness scales	HRC, HRB HRA HB HV							
Testing Accuracy	HRC:±1.5HRC; HB:±3%HB; HV: ±3%HV							
Allowable Max. Error %	Hardness	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	Rechargeable Li-ion battery 3000mAh, 3.6V							
Temperature	-20℃~+50℃							

## Standard Delivery

Name	Quantity	Name	Quantity
Harness tester main unit	1	Standard test block	1
Hardness Probe (2kgf)	1	Carrying Case	1
Probe cable	1	Manual	1
Power adapter	1	Qualified Certificate	1

## Optional Probes

Probes	0.5Kg	1kg	2kg	5kg	10kg
Loads	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

