

UHT-920

Ultrasonic Hardness Tester



APPLICATION:

- 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 with large radii, and irregular plane
- Hardness test of most ferrous and nonferrous metals and their alloys in industrial production
- Hardness test of thin coatings

FEATURES

- Main hardness scale: HV Convertible hardness scale: HRC, HRA, HRB, HBW
- In multi-points calibration mode, any hardness scales can be chosen.
- Testing range: HV50~1599, HRC20~68, HB85~650
- Test direction: Support 360° test, as long as the angle between the indenter and the surface doesn't exceed 90° ± 3°.
- Battery: 3.6V, 3000mAh lithium battery
- Endurance: 10 hours
- Test data can be exported to computer terminal.
- Norms: GB/T 34205-2017; DIN 50159-1-2008; ASTM-A1038-2005; JB/T 9377-2010; JJF 1436-2013.
- High accuracy----±4%HV, ±4%HB, ±1.5HR.
- Tiny test indentation---- requires a high-power microscope to see.
- High test speed----output test results in 1second
- New appearance design, innovative sculpt, convenient to hold and good craft.
- Full English display, menu-type operation, few keys, simple and convenient to operate.
- 3.5 inches large LCD screen with 320×480 color graphics dot matrix, beautiful font and graphics, rich information and clear display.
- Directly display the current measured value, cumulative measured value, maximum value, minimum value, average value and conversion value.
- 50 sets of data storage.
- For materials with different elastic constants, just an one-block calibration is required to adapt to the new material.
- Easy to test on assembly line.
- Optional Probes 2kg f / 3kg f / 5kg f / 10kg f available

TECHNICAL SPECIFICATIONS

Particulars				
Model	Ultrasonic Hardness Tester			
Test Range:	HV50-1599, HRC20-68, HB85-650, HRB41-100, HRA61-85.6, HS34.2-97.3, MPa255-2180			
Accuracy	±4%HB, ±1.5HR, HV please refer to the table below			
Hardness	Maximum allowable relative error of hardness tester %			
Value	HV10	HV5	HV2	HV1
<250HV	4	4	4	4
250HV-500HV	4	4	4	4
250HV-500HV	4	4	5	5
>800HV	4	4	6	6

STANDARD DELIVERY

Sr. No	
1	Host
2	Probe (Standard)
3	Connectivity Cable
4	Charger
5	Standard Test Block
6	Manual
7	Certificate
8	Carry bag