

Ultrasonic Hardness Tester T-5630



T-5630 ultrasonic hardness tester can non-destructively measure the hardness on metals and alloys with a minimum thickness of 3 mm. It can measure strip/plate work-piece, hardened layer, blade hardened layer, tooth surface hardened layer, flange edge, wheel, turbine rotor, thin plate, shaft and pipe, container, knife edge, welding part, etc.

- Non-destructive hardness tester for testing hardened layer and thin work pieces
- 3.5-inch color LCD screen
- It indicates the battery status and alarms in low battery
- Conversion of common hardness sales (HV, HB, HRC, HRB)
- Hardness value calibration and delete calibration
- Select the tested material, mainly steel and cast steel. After calibration with the standard test block, it can measure alloy tool steel, special cast iron and non-ferrous metals
- Large memory: built-in 8G SD card.
- Free measurement in all directions, no compensation is needed.
- It can display the maximum value, minimum value, average value, standard deviation, measurement times, previous measurement values, etc.
- Upper/lower limits setting and alarm when out of the limits
- Rechargeable lithium ion battery, continuous working time is more than 30 hours
- Portable stand to enhance the measurement accuracy

Technical Specifications:

Model	T-5630
Loading force	10N, 20N (Optional), 50N (Optional)
Measuring range	80 – 1400HV; 76 – 618HB 20.3 – 68HRC; 41 – 105HRB
Measuring accuracy	±4%(<500HV)
	±5%(500HV~800HV)
	±6%(>800HV)
Repeatability	8%(<250HV); 6%(≥250HV)
Indenter	Vickers diamond indenter
Measuring direction	Support 360°
Hardness scale	HV, HB, HRC, HRB
Operating environment	Temperature:-10°C~50°C; humidity: 30%~80% R.H
Dimensions (mm)	170x75x40
Weight (g)	500

Standard Delivery

- Main unit
- 10N manual probe
- Standard test block
- V-shape base
- Probe cable
- Charger
- Calibration certificate
- Carrying case

Optional Accessory

- T-A531 Operation stand