



**LS256**  
**Ultrasonic Hardness Tester**

Integrated design with tiny indentation for non-destructive testing. Perfect for ultra-thin materials, small parts, or irregular shapes.

LS256 ultrasonic hardness tester uses the ultrasonic contact impedance (UCI) method to measure various metal materials. With minimal surface damage, it is ideal for testing metal coatings, platings, and hardened layers. It supports multiple hardness scales, including HL, HV, HB, HS, HRA, HRB, and HRC,.

◆ **Applicable Materials**



Tooth surface materials



Thin-walled pipes



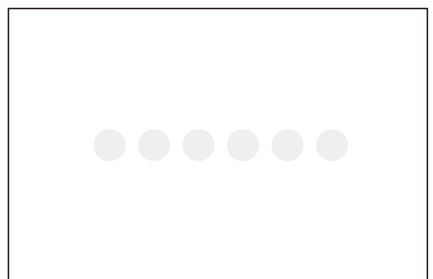
Flanges



Wheels/Turbine rotors



Stamping dies



Others

## ◆ Core Advantages

1. Uses UCI method with minimal, non-destructive indentation.
2. Two probes for flat, shaped parts and tight spaces.
3. Compact and portable, ideal for on-site and frequent testing.
4. Supports multiple hardness scales, including HV, HRC, HRB, HB, etc.
5. Ready to use on power-up; results in 1 second.
6. Accuracy  $\pm 4\%HV/\pm 2.5HRC$ ; repeatability  $\pm 4\%HV$ ; meets metrology standards.
7. Support calibratable via standard hardness block.
8. Bluetooth app for data storage and sharing.
9. Achieve high accuracy and repeatability when used with the fixture stand.

## ◆ Cases



Test small gear surface



Used with a manual fixture stand



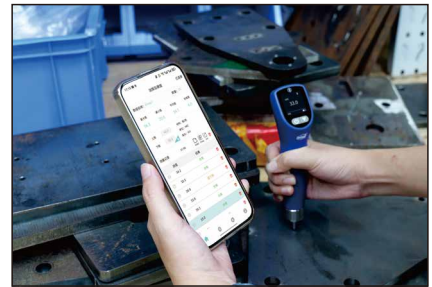
Test wheel



Test die steel



Test thin workpiece



Connect to mobile app

## ◆ Parameters

|                   |   |
|-------------------|---|
| Model             | LS256   |
| Hardness Scales   | HV、HRC、HRB、HRA、HS、HL、HB   |
| Measurement Range | HV(50-1700)、HL(170-960)、HRC(20-70)、HRB(13-100)、HRA(60-85.8)、HS(26.4-99.5)、HB(30-651)、HRE(20-70)、HRF(60-100) |
| Resolution        | 1HV, 0.1HRC   |
| Accuracy          | $\pm 4\%H+10HV$ , $\pm 2.5HRC$ (Probe fixture stand test, H as the standard value)                          |
| Repeatability     | $3\%H+8HV$ , $2HRC$ (Probe fixture stand test, H as the standard value)                                     |
| Charging Port     | USB(Type-C)   |
| Size              | 185*43*45 mm  |
| Weight            | 245g  |