

Ultrasonic Hardness Tester



IP66 Dustproof & Waterproof!



Non-Destructive! • 50% Faster Test Time!

Now Available in 3 Different Loads and a Stubby Probe to Cover All Applications

UCI Portable Hardness Testing Method

Ultrasonic Contact Impedance is a hardness testing method based on the measurement of the frequency shift of a resonating rod caused by the essentially elastic nature of the finite area of contact between the indenter and the test piece during the penetration. Described as a hardness testing practice using a calibrated instrument by pressing a resonating rod with a Vickers style diamond indenter with a fixed force against the surface of the part to be tested.

MET-U1A/MET-U1A50/MET-U1A100/MET-U1A110

Standard Accessories:

- Base Instrument
- 15N (1.5kgf) Hand-Held Probe (MET-U1A)
- 50N (5kgf) Hand-Held Probe (MET-U1A50)
- 100N (10kgf) Hand-Held Probe (MET-U1A100)
- 15N (1.5kgf) Hand-Held Stubby Probe MET-U1A110
- Calibrated Rockwell Test Blocks (2pc)
- Custom Carry Case
- Battery Charger
- Operation Manual

Functions:

- Easy To Read Menu Operation
- Large LCD Display w/ Back Light
- USB Interface

- Automatic Reading to All scales including Brinell, Rockwell, Superficial Rockwell & Vickers
- Automatic Mean Value
- Data Archive Capacity

Specifications:

- Tolerance +/- 3%
- Minimum Thickness of sample: .040"/1mm
- Materials: steel & cast steel, alloy tool steel, stainless steel, grey cast iron, spheroidal iron, cast aluminum, brass, bronze, wrought copper alloy.
- Battery type: NiMH Re-Chargeable (4xAA)
- Operating temperature: 5-104 degrees F
- Dimensions: 7.25" x 3.16" x 1.68" (HxWxD)
- Weight: 10 lbs (UD)