

ULTRASONIC HARDNESS TESTER CODE ISHU-330

DATA
OUTPUT



Application:

1. For steel, non-ferrous metal and alloy
2. Test surface hardening layers(carburized, nitriding high frequency hardened, etc.) and plating (like chrome plating)
3. Suitable for thin wall or edge of workpieces
4. Suitable for small areas like arc, conical surface and other complex shapes
5. Suitable for small or light workpieces
6. Suitable for narrow spaces, like grooves and blind holes
7. Test large workpieces at any direction
8. Suitable for rough surfaces

- Small test indentation
- Test force and time are not affected by the operator
- Quick test, only 2 seconds
- Average and statistics test modes
- Memory of 1024 test results for browsing and output
- Automatic power off
- Anti-dust and waterproof



test flat surfaces (with the cover)



test cylinder surfaces
(use V-groove on the cover)



test narrow areas (remove the cover)

SPECIFICATION

Hardness scale	HV, HB, HRC, Mpa	
Resolution	1HV, 1HB, 0.1HRC, 1Mpa	
Accuracy	HB	±10HB
	HV	±15HV
	HRC	±2HRC
Data output	USB	
Operating temperature	-20°C ~ +40°C	
Power supply	built-in rechargeable battery	
Dimension of main unit	120×60×25mm	
Weight of main unit	200g	

	steel	alloy steel	stainless steel	aluminum	
	ST	AST	SST	AL	U1
HRC	█				
HB	█				
HV	█				
user scale	U1				

BACK SELECT

select the material and scale, use the corresponding standard hardness blocks or workpieces for calibration (calibration of HRC, HB and HV for steel are already made, calibration is needed before use other materials and scales)

SPECIFICATION OF PROBE

Type	A (standard)	B(optional)
Test force	50N	10N(small force)
Application	general use	plating
Maximum roughness of workpiece (Ra)	2.5µm	1.5µm
Minimum weight of workpiece (direct measurement)	0.1kg*	0.1kg*
Minimum thickness of workpiece (direct measurement)	1mm*	1mm*
Minimum radius of workpiece	5mm	5mm
Minimum thickness of surface hardening layer or plating	0.1mm	0.03mm
Minimum test area	Ø1mm	Ø1mm
Dimension and weight of probe	140×Ø37mm, 271g	145×Ø37mm, 271g

* If the weight or thickness of workpiece is less than required, the workpiece should be fixed or coupled on solid support.

STANDARD DELIVERY

Main unit	1pc
Probe A	1pc
Rechargeable battery	2pcs
Charger	1pc
USB cable and software	1pc

OPTIONAL ACCESSORY

Probe B	ISHU-460-B
Couplant	ISH-COULPLANT