

DATA OUTPUT

HARDNESS BLOCKS FOR CALIBRATION ARE OPTIONAL



# ULTRASONIC HARDNESS TESTER CODE ISHU-330

**INSPECTION  
CERTIFICATE**

**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

	steel	alloy steel	stainless steel	aluminum	U1	user material
HRC	ST	AST	SST	AL	U1	
HB						
HV						
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)



- 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



software CD (included)



test flat surfaces (with the cover)



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



test narrow areas (remove the cover)

### SPECIFICATION OF MAIN UNIT

Hardness scale	HV, HB, HRC, Mpa	
Range	100~940HV, 80~650HB, 20~70HRC, 370~1740Mpa	
Resolution	1HV, 1HB, 0.1HRC, 1Mpa	
Accuracy	HB	±3%
	HV	±3%
	HRC	±1.5%
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	

### OPTIONAL ACCESSORY

Probe B	ISHU-460-B
Couplant	ISH-COULPLANT
Hardness block HRC20~30	ISH-BHRC1
Hardness block HRC45~50	ISH-BHRC2
Hardness block HRC60~65	ISH-BHRC3
Hardness block 150~250HV5	ISH-BHV5A
Hardness block 400~500HV5	ISH-BHV5B
Hardness block 650~750HV5	ISH-BHV5C
Hardness block 75~125HBW10/1000	ISH-BHB10A
Hardness block 175~250HBW10/3000	ISH-BHB10B
Hardness block 400~500HBW10/3000	ISH-BHB10C

### 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

### STANDARD DELIVERY

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

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