

ULTRASONIC HARDNESS TESTER CODE ISHU-330

ATTENTION: HARDNESS BLOCKS FOR CALIBRATION ARE OPTIONAL

ATTENTION: NEED TO CONFIRM IF THE WORKPIECES ARE SUITABLE BEFORE PURCHASE



DATA OUTPUT



software CD (included)

Application:

1. For steel material
2. Test surface hardening layers (carburized, nitriding, high frequency hardened, etc.)
3. Suitable for arc and conical surface
4. Suitable for small or light workpieces
5. Test large workpieces at any direction
6. Suitable for rough surfaces



test flat surfaces (with the cover)



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



cover

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

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	±1.5HRC
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	

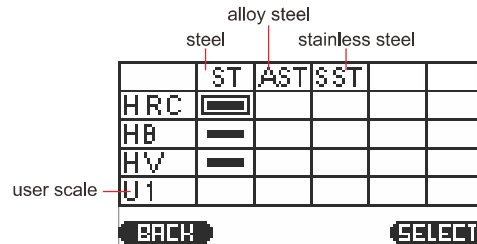
STANDARD DELIVERY

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

SPECIFICATION OF PROBE

Type	A (standard)	B (optional)
Test force	50N	10N (small force)
Application	general use	plating
Maximum roughness of workpieces (Ra)	2.5µm	1.5µm
Minimum weight of workpieces (direct measurement)	0.1kg *	0.1kg *
Minimum thickness of workpieces (direct measurement)	1mm *	1mm *
Minimum radius of workpieces	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 workpieces is less than required, the workpieces should be fixed or coupled on solid support.



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)

OPTIONAL ACCESSORY

Probe B	ISHU-460-B
Couplant	ISH-COULPLANT
Hardness block HRC20~30	HDT-B-HRC1
Hardness block HRC35~55	HDT-B-HRC2
Hardness block HRC60~70	HDT-B-HRC3
Hardness block 200~300HV5	HDT-B-HV5B
Hardness block 400~500HV5	HDT-B-HV5D
Hardness block 700~750HV5	HDT-B-HV5G
Hardness block 90~200HBW10/1000	HDT-B-HB10C1
Hardness block 200~300HBW10/3000	HDT-B-HB10A2
Hardness block 400~500HBW10/3000	HDT-B-HB10A4