



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

MOTORIZED ULTRASONIC HARDNESS TESTER



BU-300M

**DESCRIPTION:**

- BU-300M Motorized Ultrasonic Hardness Tester is a popular portable durometer. It applies method of ultrasonic contact independence to make hardness testing at the spot or in the laboratory.
- BU-300M is a perfect portable durometer for hardness testing about the coating and plating, it can measure the hardness of chrome, copper plating, carburized layer and Nitriding layer effectively.
- BU-300M is a NDT durometer due to the contact indentation is too small to observe, it is one of the excellent solution to test hardness of finished products, such as, the mold, gear, shaft, rod, screw, rails, etc.
- BU-300M can not only work with the motorized probes, but also work with the manual probes, which is able to meet the different application in light of different condition of surface roughness.
- BU-300M conforms the standard ASTM A1038-2005, DIN standard DIN50159-1-2008

FEATURE:

- ◆ Perfect Accuracy— $\pm 3\%$ HV, ± 1.5 HR, $\pm 3\%$ HB.
- ◆ Microscopic Indentation—Only high-power microscope can observe the indentation.
- ◆ Quick Measurement—Result in 2 seconds.
- ◆ Large LCD Display—Directly display measurement result, times count, maximum, minimal, average and deviation.
- ◆ Friendly Operation—Operate well after short training.
- ◆ Promised Warranty—2-Year warranty for main unit (Excludes Probe).
- ◆ Mass Storage—Save 1000 groups measurement data.
- ◆ Simple Calibration—Save 20 groups calibration data for invoking, improve calibration efficiency.

TECHNICAL SPECIFICATION:

PARAMETER'S		SPECIFICATION			
Model	BU-300M (Motorized)				
Optional probe	Manual Probe : 10N、20N、49N、98N ; Motorized Probe : 3N、5N、8N、10N				
Measuring Range	HBW:100-650; HV:100-1500; HRC:20-68; HRB:55-100; HRA:37-85; Mpa: 255-2180N/mm				
Measuring Accuracy (%)	Scales	< 250HV	250~500HV	500~800Hv	> 800HV
	HV0.1	6	7	8	9
	HV0.3	6	7	8	9
	HV0.8	5	5	6	7
	HV1	5	5	6	7
	HV5	5	5	5	5
	HV10	5	5	5	5
Hardness Scales	Vickers(HV);Rockwell C(HRC); Rockwell A(HRA); RockwellB(HRB);Brinell(HB)				
LCD	Color Screen				
Data Display	LCD Backlight, Adjustable				
Language	English, German, Portugese, Turkish				
Data Output	RS232 Hyper Terminal/Bluetooth Printer				
Print	Bluetooth				
Data Storage	To save 1000-groups of measuring data and 20-groups of calibration data				
Word input	Letters and numerals				
Working Environment	Temperature: -10℃ to 50℃ Humidity :30%-80% R.H.				
Battery Voltage	Rechargeable lithium battery ; Voltage :4.2V, 4800mAh				
Recharger Voltage	AC220V/50Hz, 110V/60Hz				
Main unit Dimension and Weight	Main unit Dimension :160 x 80 x 30mm (L x W x H);Manual Probe:Φ22×153mm ; Weight(No Probe): 0.5Kg				
Packing Dimension & Weight	Packing Dimension 320 x 430 x 155mm (L x W x H); Packing Weight (Standard Delivery)4.3Kg				

**STANDARD DELIVERY:**

Model	BU-300H
Instrument Main Body	1 No.
Standard Rockwell Block	1 No.
USB Recharger	1 No.
Qualification Certificate	1 No.
10N Manual Probe	1 No.
Probe Cable	1 No.
COM Cable	1 No.
Anti Vibration Case	1 No.
Screw	1 No.
Operation manual	1 No.

APPLICATION: