

Motorized Ultrasonic Hardness Tester SU-300M



Product Picture:



SU-300M(#882-141M)

Brief Introduction:

- SU-300M Motorized Ultrasonic Hardness Tester is a popular portable durometer made by Sinowon group. It applies method of ultrasonic contact independence to make hardness testing at the spot or in the laboratory.
- SU-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.
- SU-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.
- SU-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.
- SU-300M conforms the standard ASTM A1038-2017; DIN 50159-1-2008 and China National standard GB/T 34205-2017.



Motorized Probes Features:

- Introduced latest ultrasonic sensor technology
- Obtain accurate hardness value without auxiliary devices
- Excellent human engineering design easy to hold
- Quick and accurate measuring for edge and fixed position of specimen
- Micro indentation, no destructive for specimen
- Motorized control, one key fast measuring
- Eliminate hand shake error by manual probe, higher accuracy and repeatability
- More suitable for thin pieces, coating layer hardness

Characteristics:

- Perfect Accuracy— $\pm 3\%$ HV, ± 0.8 HRC, $\pm 3\%$ 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.

Specifications:

Commodity	Motorized Ultrasonic Hardness Tester				
Model	SU-300M				
Code#	882-141M				
Optional probe	Manual Probe: 10N; 20N; 49N; 98N ;Motorized Probe: 3N; 5N; 8N; 10N				
Measuring Range (DIN)	HBS:100-500; 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); Rockwell (HRB); Brinell (HBW)			
LCD	Color Screen				
Data Display	LCD Backlight, Adjustable				
Language	Chinese, English, German, Portuguese, Turkish				
Data Output	Bluetooth/USB2.0				
Data Storage	To save 1000-groups of measuring data and 20-groups of calibration data				
Word input	Letters and numerals				
Working Environment	Temperature: -10°C to 50°C; 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: $\Phi 22 \times 153$ mm; Weight (No Probe): 0.5Kg				
Packing Dimension and	Packing Dimension 320 x 430 x 155mm (L x W x H);				

Weight	Packing Weight (Standard Delivery) 4.3Kg
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Standard Delivery

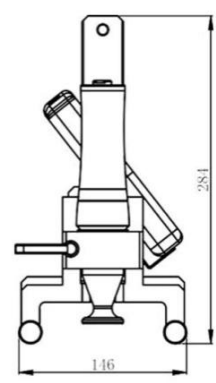
Accessories	Code #	Accessories	Code #
Instrument	882-141M	3N Motorized Probe	882-211
Ultrasonic Hardness Block (58~65) HRC	882-641	Probe Cable	882-801
USB Charger with Cable	882-851	Toolbox	882-901
Operation Manual	SU-300M	Warranty Card	SU-300M
Qualified Certificate	SU-300M	Packing List	SU-300M

Optional Accessories

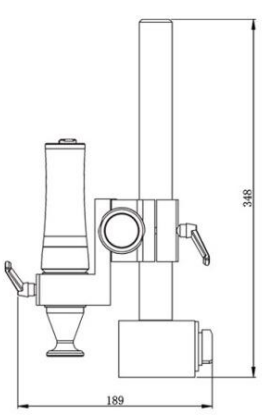
Accessories	Code #	Accessories	Code #
MU-100 Testing Stand	882-301	Plan Support Ring	882-511
MU-200 Testing Stand	882-201	Small Cylinder Support Ring	882-521
MU-300 Testing Stand	882-101	Big Cylinder Support Ring	882-531
MU-400 Testing Stand	882-401	V-shape Support Ring	882-551
Ultrasonic Hardness Block (28~35) HRC	882-611	Probe Silicone Cap	882-711
Ultrasonic Hardness Block (38~45) HRC	882-621	Lengthened Probe Silicone Cap	882-721
Ultrasonic Hardness Block (48~55)HRC	882-631	Mini Printer	882-831
Ultrasonic Hardness Block (300-800)HV1	882-651	10N Manual Probe	882-311
Ultrasonic Hardness Block (300-800)HV5	882-661	20N Manual Probe	882-321
Ultrasonic Hardness Block (300-800)HV10	882-671	50N Manual Probe	882-331
5N Motorized Probe	882-231	98N Manual Probe	882-341
8N Motorized Probe	882-241	10N Motorized Probe	882-251
Bluetooth Receiver	882-710	DuraStat SPC Software	882-381
Bluetooth Printer	882-361	-----	-----



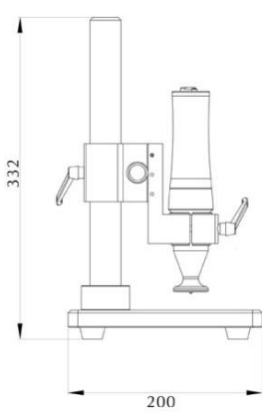
V-Shape support for Motorized Probe
(#882-751)



MU-200(#882-201)



MU-300(#882-101)



MU-400(#882-401)



Optional Bluetooth Mini Printer



DuraStat SPC Software



We are together to make a better world with you
Mission: Your Precision, Our Mission
Vision: Green Earth, Transparent Inspection
Values: The Inspection Makes a Better World



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