

Manual Ultrasonic Hardness Tester SU-300H



Product Picture:



SU-300H(#882-141H)

Brief Introduction:

- SU-300H Manual Ultrasonic Hardness Tester is a classical 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-300H 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-300H can not only work with the manual probes, but also work with the motorized probes, which is able to meet the different application in light of different condition of surface roughness.
- SU-300H conforms the standard ASTM A1038-2005, DIN 50159-1-2008 and China National standard GB/T 34205-2017.



Manual Probes Features:

- Introduced latest ultrasonic sensor technology
- Obtain accurate hardness value without auxiliary devices
- Support 360° quick measuring
- Excellent human engineering design easy to hold
- Suitable dimension and weight of probe is convenient to control
- Quick and accurate measuring for edge and fixed position of specimen
- Micro indentation, Non- Destructive for specimen

Characteristics:

- Perfect Accuracy— $\pm 3\%$ HV, $\pm 1.5\text{HRC}$, $\pm 3\% \text{HB}$
- 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 Specifications:

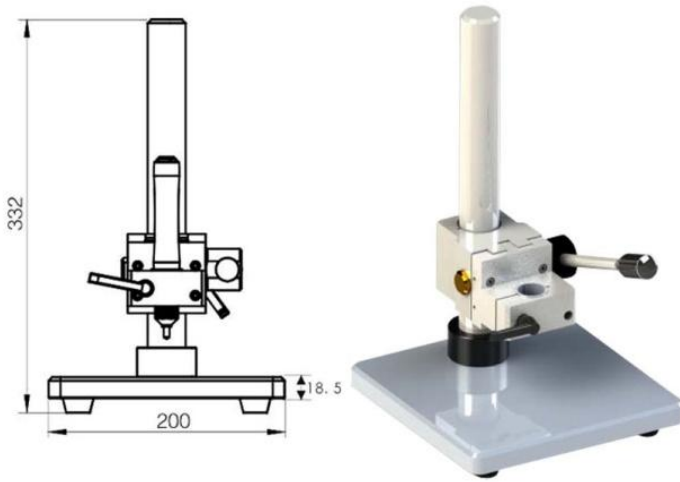
Commodity	Manual Ultrasonic Hardness Tester				
Model	SU-300H				
Code#	882-141H				
Optional Force	Manual Probe: 10N; 20N; 50N; 98N;				
Measuring Range (DIN)	HBS:100-500; HV:100-1500; HRC:20-68; HRB:55-100; HRA:37-85; Mpa: 255-2180N/mm				
Measuring Accuracy (%)	Scales	< 250HV	250~500HV	500~800Hv	> 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 (HB)			
LCD	Color Screen				
Data Display	Loading force, Testing-times, Testing result, Average, Maximum; Minimum; Deviation and Conversion scale.				
Language	Chinese, English, German, Portuguese, 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°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: Φ22×153mm; Weight (No Probe): 0.5Kg				
Packing Dimension and Weight	Packing Dimension :320 x 430 x 155mm (L x W x H); Packing Weight (Standard Delivery) :4.3Kg				

Standard Delivery

Accessories	Code #	Accessories	Code #
Instrument	882-141H	20N manual probe	882-321
Ultrasonic Hardness Block (58~65)HRC	882-641	Probe Cable	882-801
USB Charger with Cable	882-851	Toolbox	882-901
Operation Manual	SU-300H	Warranty Card	SU-300H
Qualified Certificate	SU-300H	Packing List	SU-300H

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	50N Manual Probe	882-331
Ultrasonic Hardness Block (300-800)HV10	882-671	98N Manual Probe	882-341
8N Motorized Probe	882-241	3N Motorized Probe	882-211
10N Motorized Probe	882-251	5N Motorized Probe	882-231
Bluetooth Receiver	882-710	DuraStat SPC Software	882-381
Bluetooth Printer	882-361	-----	-----



MU-100(#882-301)



Optional Bluetooth Mini Printer



Plan Support Ring
(#882-511)



Small Cylinder Support Ring
(#882-521)



Big Cylinder Support Ring
(#882-531)



Probe Silicone Cap
(#882-711)



Lengthened Probe Silicone Cap
(#882-721)



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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