



Hardness Testing Machines

Manual Ultrasonic Hardness Tester

SU-300H

Model	SU-300H
Code#	882-141H
Accuracy	$\pm 3\%$ HV, $\pm 1.5\text{HR}$, $\pm 3\%\text{HB}$
Standard	ASTM A1038-2017; DIN50159-2009; GB/T 34205-2017
Certificate	CE

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 standard DIN50159-1-2008 and China National standard GB/T 34205-2017.



Feature & Application

- Perfect Accuracy — $\pm 3\%$ HV, $\pm 1.5\text{HR}$, $\pm 3\%\text{HB}$.
- 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.



B.N.C.TOOLING Co.,Ltd.

BNCTOOLING.COM
BNCTOOLINGSHOP.COM

69/90 Hatairat Rd., Minburi ,Minburi Bangkok (Thailand) 10510



Hardness Testing Machines

Specification

Commodity		Manual Ultrasonic Hardness Tester				
Model	SU-300H					
Code #	882-141H					
Optional probe	Manual Probe : 10N、20N、49N、98N ;Motorized Probe : 2N、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	Chinese, 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°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					



B.N.C.TOOLING Co.,Ltd.

BNCTOOLING.COM
BNCTOOLINGSHOP.COM

69/90 Hatairat Rd., Minburi ,Minburi Bangkok (Thailand) 10510



Hardness Testing Machines

Standard Delivery:

Product Name	Code #	Product Name	Code #	Product Name	Code #
Instrument Main Body	882-141H	20N Manual Probe	882-321	Anti Vibration Case	882-901
Standard Rockwell Block	882-641	Probe Cable	882-801	Screw	882-951
USB Recharger	882-851	COM Cable	882-810	Operation Manual	SU-300H
Qualification Certificate	SU-300H	Packing List	SU-300H	Warranty Card	SU-300H

Application

