

One Instrument  
with Two Applications

Integrate Dynamic  
and Static Methods



## Product Introduction

- SU-400 Dynasonic Hardness Tester is a universal portable durometer with twin—testing-method. It applies twin-method about state ultrasonic contact impedance: UCI and dynamic rebound: Leeb to make hardness testing in one instrument, it solves the dilemma that Leeb method can not test the hardness of plating and coating(in UCI), and UCI method can not test the coarse crystal material in the casting industry(in Leeb).
- SU-400 can not only work with the UCI motorized and manual probes, but also work with the Leeb impact probe, it is universal to test the hardness of material with the fine crystal structure or coarse crystal structure in the metal industry.
- SU-400 UCI probe system is perfect to measure hardness testing about the coating and plating, which can measure the hardness of chrome, copper plating, carburized layer and Nitriding layer effectively.
- SU-400 dynamic Leeb probe system is suitable to measure hardness of coarse material, such as, casting and forging.
- SU-400 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.

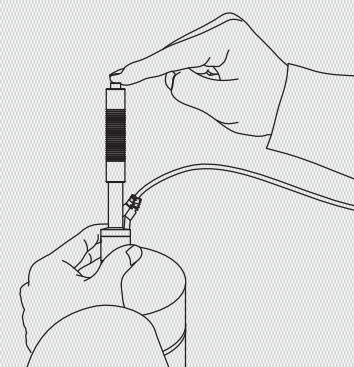
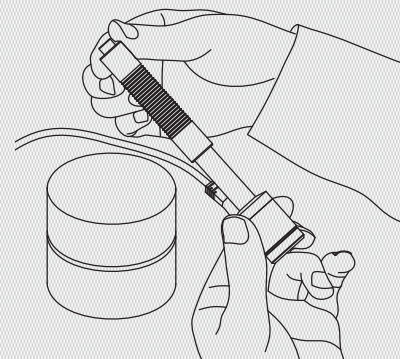
## Motorized Probe



## Specifications

Commodity	Portable Manual Universal Dynasonic Hardness Tester	Portable Motorized Universal Dynasonic Hardness Tester
Model	SU-400H	SU-400M
Code#	882-151H	882-151M
Ultrasonic Probe	Optional manual Probe: HP-1K, HP-2K, HP-5K, HP-10K; Optional Motorized Probe: MP-300, MP-500, MP-800, MP-1000	
Impact Devices	Standard delivery: D(optional DC, DL, D+15, C, G)	
Hardness Scales	HL, HV, HB, HRC, HRB, HRA, HS, etc.	
Measuring Range	50~1500HV; 20 ~ 68HRC; 76 ~ 600HB; 41 ~ 105HRB; 170 ~ 960HLD	
Measuring Accuracy	HV: ±3%HV; HRC: ±1.5HRC; HB: ±3%; HB; HL: ±8HL	
Resolution	0.1HR, 1HV, 1HB, 1HLD, 0.1HS	
LCD	3.2"Color Screen	
Data Display	Loading force, Testing-times, Testing result, Average, Maximum, Minimum, Deviation and Conversion scale.	
Print	Bluetooth	
Data Storage	To save 1000-groups of measuring data and 20-groups of calibration data	
Working Environment	Temperature: -10°C to 50°C ; Humidity: 30%-80% R.H.	
Continuous Working Period	10h(turn off the back light)	
Operating Voltage	4.2V	
Dimension	(160*80*31)mm	
Weight	≤500g(probe not included )	

## Structure of impact D



## Application

