

HST-U400 Portable Ultrasonic Hardness Tester



Picture is for reference only

Introduction:

There are many kinds of methods that can be used for Hardness Testing, and the more commonly used methods are Brinell, Rockwell, Vickers, and Leeb test methods. Among them, Brinell and Rockwell test force is large, indentation is large, and the surface damage of the sample is large, while Vickers adopts optical method to measure, which requires very professional technical personnel to operate, and can not directly test large workpieces; The ultrasonic hardness tester adopts the ultrasonic contact impedance method to compare and measure the styles, which has the advantages of high accuracy, fast speed, portability, and easy operation.

Standard:

The ultrasonic Hardness Tester meets the standards: DIN 50159-1-2008; ASTM-A1038-2005; JB/T 9377-2010; JJG-654-2013; GBT34205-2017.

Main parameter:

Model	HST -U400
Measure range:	HV50-1599, HRC20-76, HB76-618, HRB41-100, HRA61-85.6, Mpa255-2180
Accuracy	HRC:±1.2HRC; HB:±3%HB; HV:±3%HV;

Maximum allowable relative error	The hardness of the standard block	The maximum allowable relative error of the hardness tester%						
		HV10	HV5	HV2	HV1	HV0.8	HV0.3	HV0.1
	<250HV	4	4	4	4	4	5	5
	250HV-500HV	4	4	4	4	4	6	6
	>500HV-800HV	4	4	5	5	5	7	7
	>800HV	4	4	6	6	6	8	8
Probe test force:	2Kgf(optional: 0.5Kg、1Kg、5Kg、10Kg)							
Working temperature:	-20℃~50℃,							
Working humidity:	≤85%							