

HST-L252C Pen Leeb Hardness Tester



The HST-L252C is a compact, all-in-one hardness tester designed for accurate measurements on a wide range of metal materials. It features a C-type impact device with low impact force, making it ideal for assessing the hardness of surface-hardened layers and small or thin components. Advanced dual-coil technology ensures high measurement precision and consistency. The integrated orientation sensor in the probe automatically adjusts for different testing angles, providing reliable results regardless of direction. The tester supports five interchangeable hardness scales—Leeb (HL), Vickers (HV), Brinell (HB), Shore (HS), and Rockwell (HRC)—removing the need for manual conversions.

Application

Equipped with an Impact Device C, the HST-L252C supports a variety of metal materials, making it suitable for a broad range of industrial and maintenance applications.

Parameters

Parameter	Value
Probe	Impact device C
Hardness Scales	HL, HV, HB, HS, HRC
Measurement Range	HLC: (170-960); HV(80-996); HB(80-683); HRC(20-69.5); HS(31.9-102.3);
Resolution	1HL
Accuracy	±12 HL, ±6 HL typical
Repeatability	6HL (factory standard)
Display	128 * 64 dot matrix OLED
Power Supply	Rechargeable lithium battery 3.7V@250mAh, full charge for over 5000 continuous measurements
Charging Port	USB(Type-C)
Size	140*34*24 mm
Weight	66g
Working Temperature Range	-10~50℃, 0~85%RH (no condensation)
Storage Temperature Range	-10~60℃, 0~85%RH (no condensation)