

HST-HRS45NT Nosed Superficial Rockwell Hardness Tester



Product introduction:

1. The specially designed indenter extends horizontally, which can measure parts such as rings and tubes that cannot be measured by ordinary hardness testers. The minimum test inner diameter is 25mm.
2. It adopts electronic electric loading, high-precision sensors, and has a unique closed-loop control system.
3. Touch screen interface, easy to operate, directly select the hardness scale, and the force value automatically changes in the test parameters.
4. According to the standard hardness block, each hardness scale is automatically corrected in three sections: high, medium and low.
5. The test force can be automatically corrected by the standard dynamometer.
6. The main test force is automatically applied.
7. The data processing function is powerful, including: HR, HB, HV and other hardness system conversion, setting the qualified range, automatic alarm for over-limit, and can enter the tester, sample name and other information.
8. More sample and test information, the measurement data is saved in EXCEL format on the USB flash drive for easy editing and processing.

Technical Parameters:

Model	HST-HRS45NT
Surface Rockwell initial test force	3.0kgf(29.4N)
Surface Rockwell total test force	15kgf(147.1N) 30kgf(294.2N) 45kgf(441.3N)
Surface Rockwell hardness scale	15N, 15T, 15W, 15X, 15Y, 30N, 30T, 30W, 30X, 30Y, 45N, 45T, 45W, 45X, 45Y
Surface Rockwell test range	HR15N: 70-94 HR30N: 42-86 HR45N: 20-77
Dwell time	HR15T: 67-93 HR30T: 29-82 HR45T: 1-72
Hardness value resolution	0-99s
Test force error	0.1HR
Data output	<1.0%
Data storage	LCD display
Conversion scale	Measured values are saved in the USB flash drive in EXCEL format
Compliance with standards	Brinell, Vickers
Maximum allowable specimen height	BSEN 6508, ISO 6508, ASTM E18, GB/T230
Distance from indenter to machine wall	300mm
Dimensions	250mm
Weight	720×260×840mm
Power supply	AC220+5%,50~60Hz

Standard configuration:

Name	Quantity	Name	Quantity
Diamond Rockwell indenter	1 stick	1.5875mm diameter ball indenter	1 piece
Hardness block (HR15N, HR30N, HR30T)	3 pieces in total	Large, medium and V-shaped test benches	1 each
Fuse 2A	2 pieces	Universal adjustable feet	4 pieces
U disk, touch pen	1 each	Dust bag	1 piece
Power cord	1 stick	Instruction manual	1 serving
Product certificate, warranty card	1 serving		