

HST-HRS150/45T-ZXY Automatic Rockwell and Superficial Rockwell Hardness Tester



Product introduction:

1. All Rockwell and surface Rockwell scales can be measured
2. Conduct the force test according to the standard.
3. The z-axis of the worktable rises and falls automatically, and the x-axis and Y-axis directions of the sample table move automatically.
4. Press the start key, the worktable will rise automatically, the sample will be loaded and unloaded automatically after touching the indenter, and the hardness value will be displayed automatically; Automatically move to the next measurement point for automatic measurement.
5. According to the standard hardness block, each hardness scale is automatically corrected in three sections: high, medium and low.
6. Measure any point on any sample within the range of 100mm * 100mm.
7. High precision X / y automatic mobile station is adopted, and the repetition accuracy is 0.005 mm.

8. Set measuring points, conduct multi-point full-automatic testing, batch testing, and greatly improve the efficiency.
9. Various fixtures can be customized for batch testing of different samples.
10. The database processing function is powerful, including: HR, Hb, HV and other hardness system conversion, setting the qualified range, exceeding the limit automatic alarm, and inputting the tester, sample name and other information. The measurement parameters and data are automatically saved to the database.
11. When the hardness tester host is used independently, the data USB flash disk is directly saved in Excel format for easy editing and processing.
12. The product is designed and produced by itself, has independent intellectual property rights and software copyright, and can be customized and upgraded for a long time.

Technical Parameters:

Model	HST-HRS150T-ZXY	HST-HRS150/45T-ZXY
Initial test force	10kgf(98.07N)	10kgf(98.07N) 3.0kgf(29.4N)
Total test force	60kgf(588N) 100kgf(980N) 150kgf(1471N)	60kgf(588N) 100kgf(980N) 150kgf(1471N) 15kgf(147.1N) 30kgf(294.2N) 45kgf(441.3N)
Hardness scale	HRA、HRB、HRC、 HRD、HRE、HRF、 HRG、HRH、HRK、 HRL、HRM、HRR、 HRP、HRS、HRV	HRA、HRB、HRC、HRD、HRE、HRF、 HRG、HRH、HRK、HRL、HRM、 HRR、HRP、HRS、HRV 15N、15T、15W、15X、15Y、30N、 30T、30W、30X、30Y、45N、45T、 45W、45X、45Y
Test scope	HRA:20-88、HRB:20- 100、HRC:20-70、	HRA:20-88、HRB:20-100、HRC:20- 70、HRD:40-77、HRE:70-100、

	HRD:40-77 、 HRE:70-100 、 HRF:60-100 、 HRG:30-94、 HRH:80-100、 HRK:40-100、 HRL:100-120 HRM:85-115、 HRR:114-125	HRF:60-100 、 HRG:30-94、 HRH:80-100、 HRK:40-100、 HRL:100-120 HRM:85-115、 HRR:114-125 HR15N: 70-94 HR30N: 42-86 HR45N: 20-77 HR15T: 67-93 HR30T: 29-82 HR45T: 1-72
standard	GB/T230 , ISO 6508, ASTM E18, BSEN 6508	
Duration Time	0-99s	
Hardness value resolution	0.1HR	
Test force error	<1.0%	
data output	LCD display	
Exchange Scales	Surface Rockwell, Brinell and Vickers	Rockwell, Superficial Rockwell, Brinell, Vickers
Maximum allowable specimen height	300mm for ordinary sample table; 200mm with X mobile station; 100mm for X / y mobile station	
Distance from indenter to machine wall	200mm	
X / y motor table stroke:	100mm (optional: 200mm)	
Accuracy of X / y motor table:	0.005mm	
size	560×280×850mm	
weight	80kg	
Power Supply	AC220+5%,50~60Hz,600W	