

HST-HRS-150/45DNT Nosed Rockwell, Superficial Rockwell hardness tester



Product introduction

- 1) The specially designed indenter is extended horizontally, which can measure the parts that are unable to be measured by the general hardness tester, such as ring and tube, with the minimum test inner diameter of 25mm.
- 2) Adopting electronic and electric loading, high precision sensor, with unique closed loop control system.
- 3) Touch screen interface, easy to operate, directly select the hardness scale, the force value is automatically changed in the test parameters.

- 4) According to the standard hardness block, the three segments of each hardness scale are automatically corrected.
- 5) The test force can be modified automatically by standard dynamometer.
- 6) Auto-loading main test force
- 7) The data processing function is powerful, including: HR, HB, HV and other hardness type conversion, setting up the qualified range, automatic alarm for over-limit, and inputting the information such as tester, sample name, etc.
- 8) More samples and test information, the measurement data U disk saved in EXCEL format, easy to edit and process.

Technical parameters:

Rockwell initial test force	10kgf(98.07N)
Superficial Rockwell initial test force	3.0kgf(29.4N)
Rockwell total test force	60kgf(588N) 100kgf(980N) 150kgf(1471N)
Superficial Rockwell total test force	15kgf(147.1N) 30kgf(249.2N) 45kgf(441.3N)
Rockwell hardness scale	HRA、HRB、HRC、HRD、HRE、HRF、HRG、HRH、HRK、HRL、HRM、HRR、HRP、HRS、HRV
Superficial Rockwell hardness scale	15N、15T、15W、15X、15Y、30N、30T、30W、30X、30Y、45N、45T、45W、45X、45Y
Rockwell measurement range	HRA:20-88、HRB:20-100、HRC:20-70、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
Superficial Rockwell measurement range	HR15N: 70-94 HR30N: 42-86 HR45N: 20-77 HR15T: 67-93 HR30T: 29-82 HR45T: 1-72
Test force dwell time	0-99s
Hardness resolution	0.1HR
Force error	<1.0%
Data output	LCD display
Data storage	The measured values are stored in the U disk in EXCEL format
Conversion scale	Brinell, Vickers
Carried standard	BSEN 6508, ISO 6508, ASTM E18, GB/T230
Maximum allowable specimen height	300mm

Distance from indenter to wall	250mm
size	720×260×840mm
Weight	80kg
Power supply	AC220±5%,50~60Hz