

HST-HRS150T-Z Auto-turret Automatic Rockwell hardness tester



Product introduction

The Rockwell hardness test method can measure harder and softer samples by using diamond indenter and steel ball indenter. It is applicable to a wide range of scenarios and can be used to measure ferrous metals, non-ferrous metals, non-metallic materials, as well as quenching, tempering, etc. Heat treated Rockwell hardness. Such as hard alloy, carburizing pot, annealed steel, tempered steel, quenched steel, hard cast iron, mild steel, aluminum alloy, titanium alloy, malleable cast iron, etc. hardness measurement.

The HST-HRS150T-Z hardness tester is a new generation of touch-screen fully automatic Rockwell hardness tester developed by our company that integrates Rockwell and surface Rockwell. The appearance of the machine is professionally designed and adopts mechanical simulation technology, which makes the casing

smaller and the testing space larger without affecting the performance. It is equipped with a color touch screen, built-in professional software, and a Bluetooth printer, which can Real-time printing and data output.

HST-HRS150T-Z automatic turret digital display double indenter micro Vickers hardness tester is installed at the same time with Vickers, Knoop indenter and high power, low power objective lens. It can measure Vickers hardness and Knoop hardness at the same time.

Adopt optical cross guide rail lifting mechanism, force value is accurate, the image is clear, is an ideal high-end micro hardness tester.

Features

- strong and sturdy: The product shell is made of cast iron and is integrally formed with a simple structure to ensure long-term stability of the instrument.
- touch screen display: Color touch screen, sensitive and without delay, simple interface, easy to read values.
- Professional software: Built-in professional software allows you to select test scale, dwell time, convert scale, switch language, etc.
- full functioning: Equipped with Rockwell and surface Rockwell scales, powerful functions.
- hands free: The measuring device adopts a high-precision grating displacement sensor, the worktable (screw) automatically rises and falls, and loading, maintaining and unloading are fully automatic.
- high resolution
- Data correction: It has a hardness value correction function that can correct each scale and the hardness value according to the size of the cylinder.
- data output: Equipped with a Bluetooth printer, which can print and output data in real time.
- data storage: The host can independently store 500 sets of data, and the data will not be lost when the power is turned off.

Technical Parameters

Testing power	60kg, 100kg, 150kg, 15kg, 30kg, 45kg
Measuring range	20-95HRA, 10-100HRB, 10-70HRC,

	70-94HR15N, 42-86HR30N, 20-77HR45N, 67-93HR15TW, 29-82HR30TW, 10-72HR45TW	
Indenter type	Rockwell diamond indenter	φ1.588mmSteel ball indenter
test space	The maximum height allowed for the specimen: 230mm	
	Distance from center of pressure head to machine wall: 170mm	
Operation method	Automatic rise and return, one-touch operation	
Test force application method	Automatic (initial test force, main test force loading, holding, and unloading are fully automatic)	
measuring ruler	HRA, HRD, HRC, HRFW, HRBW, HRGW, HRHW, HREW, HRKW, HRL, HRM, HRP, HRR, HRS, HRV, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T	
Conversion ruler	HV, HK, HRA, HRBW, HRC, HR15N, HR30N, HR45N, HR15TW, HR30TW, HR45TW, HBW	
Hardness value display mode	Touch screen display (computer display optional)	
Hardness resolution	0.1HR	
power supply	AC 220V 50/60Hz	