

Digital Rockwell Hardness Testing Machine for larger workpieces HRSJ-150HY



Brief Introduction:

The new developed igualitrol HRSJ-150HY was upgraded on the basis of ordinary digital display Rockwell hardness tester, re-customized the transmission structure and workbench of the whole machine to make it more widely used. The extended workbench can be used to measure relatively large workpieces.

Features:

1. The measuring device adopts a grating displacement sensor, and the test result, hardness scale, test force, indenter type, dwell time, conversion unit, etc. all can be displayed and set on LCD screen;
2. The fuselage is made of cast iron at one time, and with the car paint treatment process, the shape is round and beautiful;
3. Convenient control system, which can automatically convert the unit of the full hardness scales;
4. The built-in test software can correct the hardness result within $\pm 3HR$;
5. The loading, dwell and unloading of the test force is controlled by the motor, which eliminates the human error compare with the manual Rockwell hardness tester;
6. Configure a wireless Bluetooth printer, and output data through the RS232 port;
7. Large workbench 400*600mm (customizable), which can test large workpieces smoothly;

8. Two-axis linkage synchronous lifting structure, stable lifting;
9. Test accuracy complies with GB/T230.2, ISO 6508-2 and American ASTM E18 standards.

Application Range:

1. Widely used to determine the Rockwell hardness of ferrous metals, non-ferrous metals and non-metallic materials;
2. Test the Rockwell hardness of heat-treated materials such as quenching and tempering;
3. Cemented carbide, carburizing steel, hardened steel, surface hardened steel, hard cast steel, aluminum alloy, copper alloy, malleable casting, mild steel, quenched and tempered steel, annealed steel, bearings and other materials;

Technical Specifications:

Model	HRSJ-150HY
Hardness Range	20-95HRA, 10-100HRBW, 20-70HRC;
Loading Force	588, 980, 1471N (60, 100, 150kgf)
Max Specimen Height	90mm
Throat	135mm
Hardness Resolution	0.1HR
Power Supply	AC220V/50Hz
Dimension	500*400*700mm (support customizable)
Weight	130kg

Packing List:

Big Test Table	1pc	Diamond Indenter	1pc
Test Blocks	5pcs	φ1.588 Ball Indenter	1pc
Printer	1pcs	φ1.588 Steel Ball	1pc