

MSR-150P

Small Portable Rockwell Hardness Tester



Video



Contact us

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Features and Applications

Product Features

- Small in size and light in weight. Compared with traditional desktop Rockwell hardness testers, portable hardness testers are significantly smaller in size, making them convenient for mobile use in non-laboratory environments such as workshops and outdoors.
- The dial has a large testing distance, which reduces operational errors in step-by-step testing.
- The hardness reading wheel has clear values, facilitating reading; it is accurate, convenient, and has good repeatability.
- After clamping the instrument on the workpiece and securing it, the hardness test can be performed without moving the workpiece; the test operation is fast, convenient, and non-destructive.
- The testing speed is fast. The hardness tester is equipped with both V-shaped and flat workbenches, which can test flat and round bar workpieces without replacing the workbench.
- Two replaceable indenters: equipped with a diamond cone indenter and a 1.588mm indenter, which can measure different hardnesses; special anvils can be customized according to the workpiece to test various parts with complex shapes.
- Design standards: meet GB/T230, ISO 6508, ASTM E18, ASTM E110 and other standards.



Product Details

Detail Display



- The dial adopts a mechanical structure with clear and accurate scales. Parameters can be read without a power supply. The structure is simple and sturdy, and can cope with relatively harsh on-site environments.

- The test force is applied by rotating the hand-wheel. If the pointer exceeds the scale line, the test is considered failed. Therefore, the handwheel should be rotated smoothly and slowly.



- It has two scales corresponding to different test scales. The C scale is for diamond indenter HRA and HRC scales, and the B scale is for ball indenter HRB scale.

Technical Specification

Name	Small Portable Rockwell Hardness Tester
Model	MSR-150P
Rockwell Initial Test Force	10kgf
Rockwell Total Test Force	60kgf、 100kgf、 150kgf
Force Application Method	Screw force application
Indenter	120° diamond cone, Φ1.588mm cemented carbide ball
Test Conditions	9 scales :HRC, HRB, HRA,HRD,HRE,HRF,HRG,HRH,HRK.
Resolution	0.5HR
Accuracy	Conforms to GB/T230, ISO 6508
Application Range	All commonly used metals, including steel, forged steel, cast iron, copper, copper alloys, aluminum, aluminum alloys, cemented carbides, etc.

Standard Delivery

Name	Qty	Photo
Main Unit	1 set	
Diamond Indenter	1 piece	
Φ1.588mm Ball Indenter	1 piece	
Rockwell Hardness Block	5 pieces	
Instrument Case	1 piece	
Instruction Manual	1 copy	
Warranty Card	1 copy	
Qualification Certificate	1 copy	
Calibration Certificate	1 copy	

Optional Delivery

Optional

Rockwell hardness blocks: HRC (high), HRC (medium), HRC (low), HRA, HRB

Diamond indenter: 120° cone

Steel ball indenter: $\phi 1.588\text{mm}$

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