

## PHR-100 Magnetic Rockwell Hardness Tester



### GENERAL DESCRIPTION

Fix Rockwell test head to the surface of iron and steel parts to test the hardness by applying magnetic force. Follow Rockwell hardness test method completely and the test condition complies with standard ISO 6508 and ASTM E 18. The magnetic Rockwell hardness tester is mainly applied in on-site quick test body hardness of steel parts. Test hardness of steel plate, pipe, axis, mould, huge forgings and huge and medium-size heat treatment parts if surface available. Test hardness of weld joints in boiler, pressure vessels, and pressure pipes.

### FUNCTION AND FEATURES

- Convenient to Use: Attach to one side of part to test, no need to move it.
- NDT Testing: Quick, convenient, no damage test.
- Reading Scale: Similar reading system as micrometers, easy to read, and good repeatability.

### TECHNICAL PARAMETERS

Initial Test Force for Rockwell: 10kgf

Total Test Force: 60kgf, 100kgf, 150kgf

Test head: 120°diamond indenter, 1.588mm carbide ball indenter

Indication Error: Comply with ISO 6508 and ASTM E 18

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Testing Resolution: 0.5 HR

Weight: 4.7 kg

Surface: Flat : Area  $\geq 180$  mm x 60 mm Thickness :  $\geq 5$  mm

Cylinder: Diameter  $\geq 60$  mm Length  $\geq 200$  mm, Thickness  $\geq 8$  mm

## Package of PHR-100 Magnetic Rockwell Hardness Tester

### Standard Assembly



Tester



Diamond Cone Indenter



Carbide Ball Indenter



Standard Hardness Block



Adapter



Seat Iron