

## Magnetic Rockwell CV-MR01

Magnetic base hardness tester designed according to the principle of Rockwell hardness testing.

### Features

- Magnetic base hardness tester designed according to the principle of Rockwell hardness testing
- The test head can be fixed to the surface of iron and steel components by magnetic force
- Support to the test piece is not required as the 350kg+ magnetic base will hold the unit firmly in position
- The testing accuracy complies to ISO6508 or ASTM E18 and is comparable to a Rockwell bench hardness tester
- Testing can be done regardless of the shape of the component as long as there is a flat surface for positioning of the magnetic base
- Able to test large-size workpieces which are assembled, unable to cut or inconvenient to move such as the large-size moulds, steel plate, steel tube, steel structure, boiler, pressure vessel, metallic pipe lines or the slide ways of machine tools



### TECHNICAL SPECIFICATION

Initial test force	10kg
Rockwell test force	60kg, 100kg or 150kg
Indenter	120°diamond cone, 1/16" carbide ball
Force applying method	By screw
Maximum magnetic force	>350kg
Test range	Rockwell hardness HRC, HRB, HRA etc. 15 scales
Resolution	Rockwell hardness 0.5HR
Accuracy	In accordance with ISO6508
Minimum specimen size	60mm x 180 mm
Net weight	4.9kg
Package gross weight	7.4kg

### Standard Delivery

- Instrument with magnetic base
- Rockwell diamond indenter
- Rockwell ball indenter
- Adjuster key
- Packed in solid alu-case
- Bowers Group certificate
- Manual

### Optional Accessories

- Rockwell indenters
- Rockwell balls

## Magnetic Rockwell CV-MRD01

Magnetic Rockwell with digital display with featuring conversion function to other scales and light to illuminate the test area.

### Features

- Magnetic Rockwell with digital display with featuring conversion function to other scales and light to illuminate the test area
- Magnetic base hardness tester designed according to the principle of Rockwell hardness testing
- The test head can be fixed to the surface of iron and steel components by magnetic force
- Support to the test piece is not required as the 350kg+ magnetic base will hold the unit firmly in position. Comparable to a Rockwell bench hardness tester
- Measurements are easy to read on the digital display and complies to ISO 6508 and ASTM E18



### TECHNICAL SPECIFICATION

Item	Description
Minor test force	10kg
Total test force	60kg, 100kg, 150kg
Test head	120° diamond cone indenter, 1/16" carbide ball indenter
Indication Error	Complying with ISO 6508 and ASTM E18
Repeatability	Complying with ISO 6508 and ASTM E18
Test Force Error	≤1%
Test Resolution	0.1HR
Weight	4.7kg
Surface	Flat: Area≥195mmx60mm, Thickness≥5mm Cylinder: Diameter≥60mm, Length≥200mm, Thickness≥8mm

### Standard Delivery

- Instrument with magnetic base
- Rockwell diamond indenter
- Rockwell ball indenter
- Adjuster key
- Quality certificate
- Manual

### Optional Accessories

- Rockwell indenters
- Rockwell balls