Mikrosize®

MRocky-150D
Rockwell Hardness Tester



Contact us

Mikrosize Precision Instrument Co.,Ltd
A-4035 RuiFeng Business Expo, Wuhu City, China , 241000.
Web:www.mikrosize.com
Email: mikrosize@mikrosize.com

Feature and Application

The MRocky-150D is equipped with a high-precision EHMC digital Rockwell indicator, which can display and set the current test scale, dwell time, hardness conversion values, etc. The instrument adopts a weight-loading mechanism. During operation, only manual preloading is required until the instrument beeps; press the Start button, and the instrument will automatically load, dwell, unload and display the hardness value. It features easy operation and intuitive display.

Product Feature

- Integrated cast iron structure provides 99% rigidity for the main body, minimizing deformation; the housing undergoes natural aging treatment for more than half a year, ensuring stable physical properties.
- The lifting screw is heat-treated to a hardness of 35–40 HRC, featuring stable structure and high wear resistance.;
- Weights and levers are manufactured and calibrated with classic processes, offering high precision and fine mechanical adjustment.
- High-precision EHMC digital Rockwell indicator supports all Rockwell hardness test scales and scale conversion in compliance with ISO/GB/ASTM standards.
- Supports upper and lower limit setting with out-of-tolerance alarm.
- Test results are saved in real time with automatic time recording; data can be exported via
- USB or wireless connection.

Product Application

- Suitable for hardness testing of quenched, tempered, annealed materials, hard castings, malleable castings, hard alloy steels, aluminum alloys, copper alloys, bearing steels, etc.





Detail Images













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Technical Specification

Model	MRocky-150D
Initial Test Force	10kgf (98.07N)
Total Test Forces	60kgf (588.4N), 100kgf (980.7N), 150kgf (1471N)
Indenter Specifications	Diamond Rockwell indenter, 1.5875 mm tungsten carbide ball indenter
Test Force Application	Automatic (loading / dwell / unloading)
Hardness Reading	Automatic readout on LCD screen
Test Scales	HRA, HRD, HRC, HRFW, HRBW, HRGW, HRHW, HREW, HRKW, HRL, HRM, HRP, HRR, HRS, HRV
Conversion Scales	Compliant with ISO/GB/ASTM standards
Data Storage	500 records, with automatic test time recording
Data Output	USB port, wireless
Auxiliary Functions	Upper/lower limit setting, out-of-tolerance indication
Hardness Resolution	0.1HR
Dwell Time	2~60s
Max. Sample Height	185mm
Distance from Indenter Center	165mm
Power Supply	AC220V，50Hz
Compliance Standards	GB/T 230，ISO 6508，ASTM E18，JIS Z2245
Dimensions	520×215×700mm
Net Weight	78kg

Standard Delivery

Name	Qty
Main Unit	1 pc
Accessory Case	1 pc
Diamond Rockwell Indenter	1 pc
1.5875 mm Tungsten Carbide Ball Indenter	1 pc
Φ150 mm Flat Anvil	1 pc
Φ74 mm Flat Anvil	1 pc
Φ40 mm V-Anvil	1 pc
Hardness Block 60–70 HRC	1 pc
Hardness Block 20–30 HRC	1 pc
Hardness Block 80–100 HRBW	each 1 pc
Weights A, B, C	1 pc
Spirit Level	1 pc
Leveling Screws	4 pcs
Power Cord	1 pc
2 A Fuse	2 pcs
3 mm Hex Key	1 pc
7 mm Open-end Wrench	1 pc
Dust Cover	1 pc
Operation Manual	1 pc
Certificate of Conformity	1 pc

Optional Delivery

Optional	Indenter
	Hardness Block
	Convex anvil (diamond insertable), V-anvil、V-anvil
	Spherical workpiece anvil
	Working table

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Add: A-4035 RuiFeng Business Expo , Wuhu City, China , 241000.

Tel: 0553-2836939 Fax:0553-2836938 Web: www.mikrosize.com

