

Mikrosize®

uRocky-150CM

**Touch Screen Digital Carbon Brush
Hardness Tester**



Contact us

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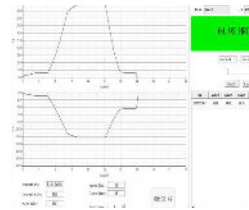
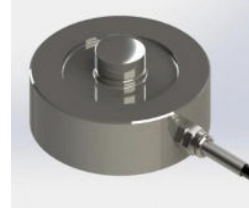
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Feature and Application

Product Feature

- This machine uses electronic loading test forces instead of weights, enhancing the accuracy of force values and ensuring more stable measurements.
- An 8-inch touchscreen for operation and display, offering a user-friendly interface to complete instrument settings.
- Bluetooth connection to the computer allows for data analysis and management through dedicated hardness software.
- Powerful data processing capabilities allow for the calculation and analysis of maximum, minimum, average values, and more.
- Touch screen selection for various Rockwell hardness scales, with the ability to convert between multiple hardness scales such as HV, HB, etc.
- The operation interface is simple, with user-friendly parameter settings. The main unit independently stores up to 500 sets of data.
- Comply with the latest ISO, ASTM, GB standards for scale conversion.
- The initial load holding time and loading time can be freely set, along with functions such as hardness value correction.



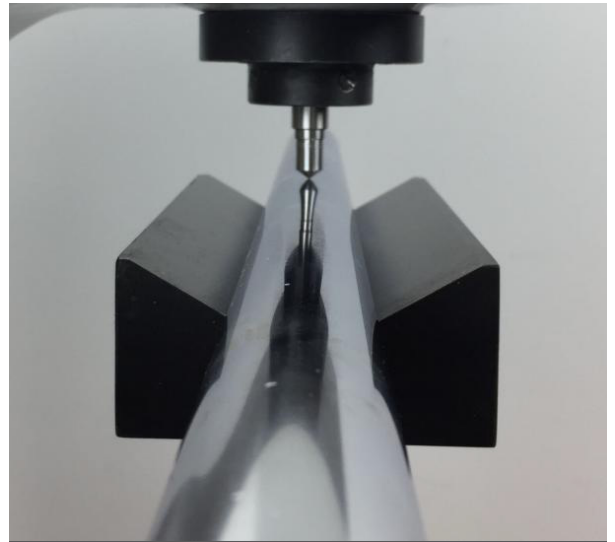
Product Application

- Measures the Rockwell hardness of carbon brushes and electrocarbon products.
- Especially suitable for precise measurement on parallel surfaces, and provides stable and reliable measurements on curved surfaces.

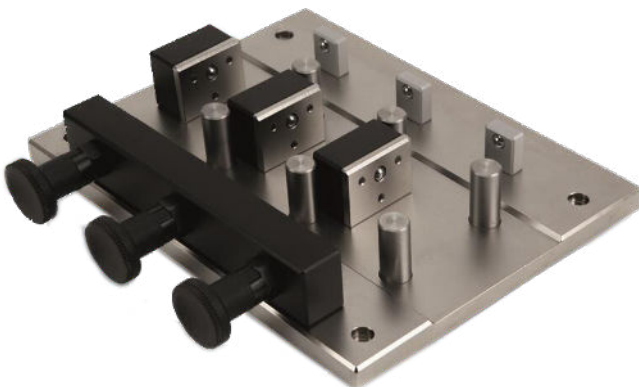
Technical Parameters



Large Flat Worktable



Customized Large V-shaped Worktable



Customized End-quench Worktable.



Customized Irregular-shaped Worktable.

Technical Specification

Testing Range	30-110HR
Indentation Head Types	2.5mm, 5mm, 10mm (diameter)
Testing Space	Max Test Height: 230mm
	Test Throat: 170mm
Test Force Application Method	Main initial test force: Automatic (loading, holding, and unloading are fully automated)
Hardness Scale	HR 2.5/7, HR 5/7, HR 10/20, HR 5/20, HR 10/40, HR 5/40, HR 10/60, HR 5/60, HR 10/100, HR 5/100, HR 10/150, HR 5/150
Conversion Scale	HRA,HRB,HRC,HRD,HRF,HV,HK,HBW,HBS,HR15N,HR30N,HR15TW,HR30TW,HR45TW
Hardness Value Display Method	8-inch touchscreen display (computer display optional)
Hardness Resolution	0.1HR
Power Supply	AC 220, 50/60 Hz
Executive Standard	DIN 51917-2002 Carbon material inspection hardness test JBT 8133.3-2013 Test methods for physical and chemical properties of electric carbon products
Test Force	7kgf, 15kgf, 20kgf, 30kgf, 40kgf, 45kgf, 45kgf, 60kgf, 100kgf, 150kgf

Standard Delivery

Name	Qty	Photo
Machine Mainframe	1unit	/
Φ1.588mm Ball Indenter	1pc	/
Φ60mm Test Platform	1pc	/
Rockwell Hardness Block 88-95HRB	1pc	/
Wrench	2pcs	/
Printer	1pc	/
Dust Cover	1pc	/

Standard Delivery

Name	Qty	Photo
2.5mm, 5mm, 10mm Steel Ball Indenter	1pc for each	/
Φ150mm Test Platform	1pc	/
Φ40mm V-shape Test Platform	1pc	/
Power Adapter	1pc	/
Power Cord	1pc	/
Instruction Manual	1copy	/
Product Certificate Warranty Card	1copy for each	/