

Mikrosize®

uRocky-150

Digital Rockwell Hardness Tester



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Product Feature&Application

Product Features

- uRocky-150CL is with Closed loop control system, high precision load cell structure
- 8" touch screen for user directly select the hardness scale and test force and displays hardness value, conversion scale, test force, dwell time, etc.
- With all kinds of rockwell hardness scales HRA HRB HRC etc and high resolution 0.1HR
- Automatic correction of high, medium and low hardness numbers
- Automatic correction of load, with the force accuracy increased by dynamometer.
- Automatically apply the initial test force and the main test force.
- Automatic testing process: Automatic loading - Dwell - Unloading, and automatic display hardness value.
- Curve display: test force, displacement depth change curve, real-time test force value curve.
Curve display: force, displacement depth change curve, real-time force value curve.
- Powerful data processing function, including: HR, HB, HV and other hardness scale conversion,
- Qualified range can be set, automatic alarm over the limit, tester's name, sample name and other information can be input,.
- With USB interface, test data can be saved in U-flash directly in Excel format. easy to edit and process.
- Indenter protective device for optional purchase (testing sample size should over 15mm)



**uRocky-150WL
(Weights Loading)**



**uRocky-150CL
(Closed Loop)**

Product Application

Industrial production, Inspection of product quality on processing technology. Ferrous and nonferrous metals, Hardened steel, tempered steel, annealed steel, hardened steel, sheet of various thicknesses, carbide materials, powder metallurgy materials, hardness and thermal spray coating.

Operation Interface

8" touch screen for user directly select the hardness scale and test force and displays hardness value, conversion scale, test force, dwell time, etc.

Tester

Product Name

Radius of Curvature

Range To

Hardness Type

Conversion Type Conversion Value

Dwell Time(S)

Hardness Value

Measurement Scale

Please choose the right indenter for the scale you choosed.
Explanation

Scale/Force/Indentor

Calibration

Scale:

Standard Hardness Value : Measured:

Low

Medium

High

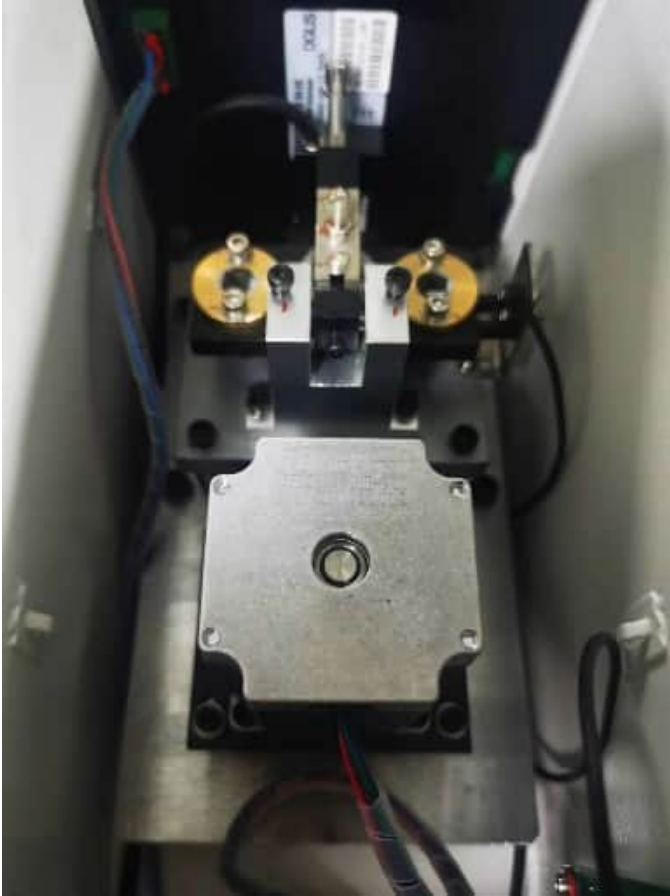
Force Calibration

Standard: kg

Measured: kg

User Friendly

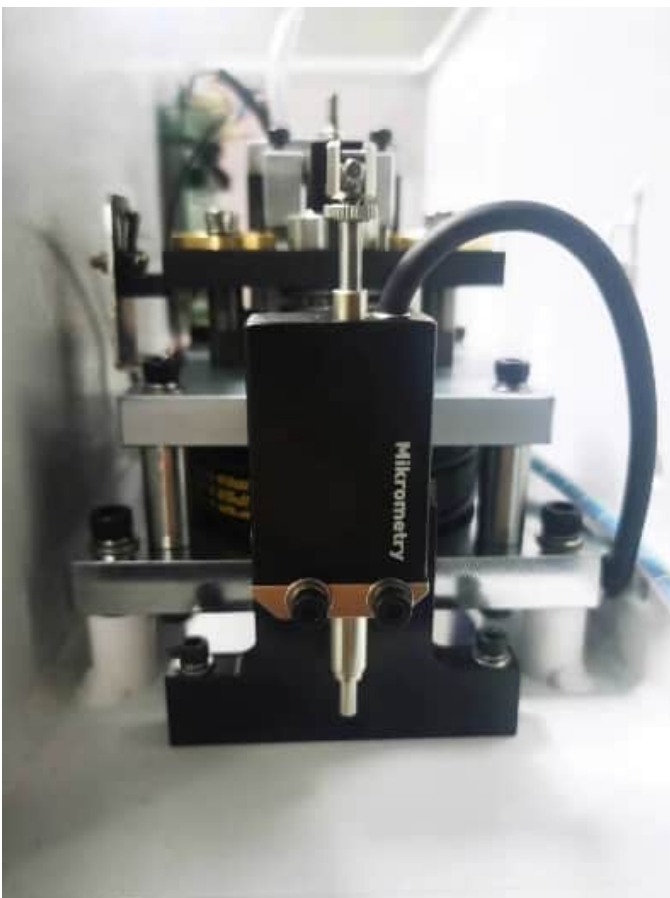
uRocky-150CL is with Closed loop control system, high precision load cell structure. Automatically apply the initial test force and the main test force. Automatic testing process: Automatic loading - Dwell - Unloading.



Electronic Motorized Loading



Load Cell



Displacement Sensor



Displacement Sensor

Data Output & Indentor Protection

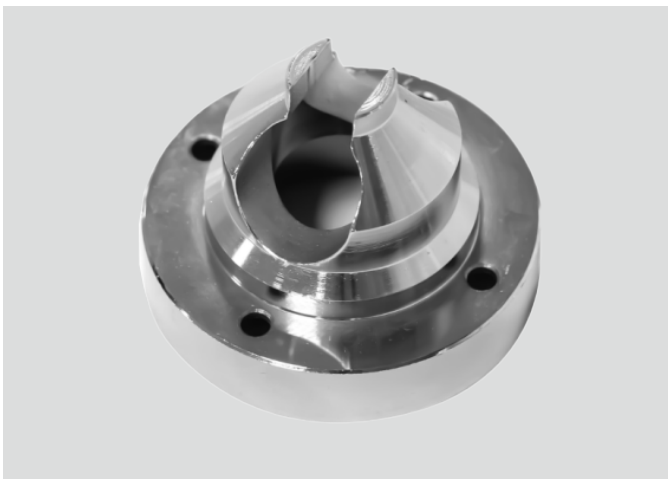
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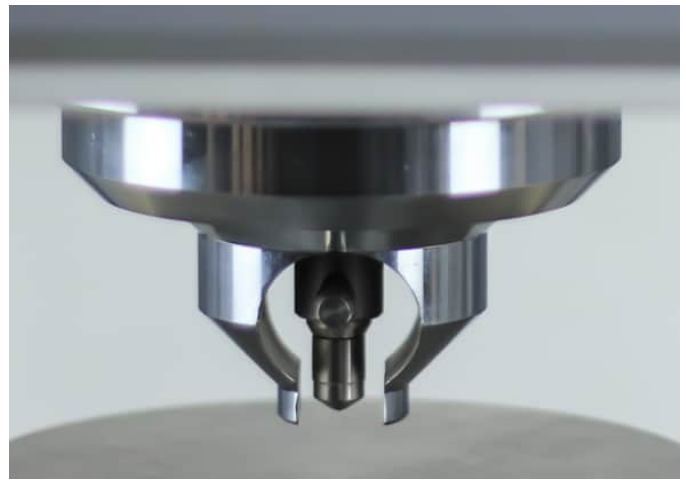
USB Interface



USB Interface



Indenter Protective Device



Indenter Protective Device

Mikrosize®

More Detailed Photoes



Ordering Information



**uRocky-150WL Weights Loading
Rockwell Hardness Tester**



**uRocky-150CL Closed Loop
Rockwell Hardness Tester**

Technical Specification

Model	uRocky-150WL	uRocky-150CL
Loading Method	Weights Loading	Closed Loop
Initial Test Force	10 Kgf (98.07N)	
Main Test Force	60kgf(588N)	100kgf(980N) 150kgf(1471N)
Rockwell Hardness Scale	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRR, HRP, HRS, HRV	
Rockwell Test Range	HRA:20-95, HRB:20-100, HRC:20-70, HRD:40-77, HRE:70-100, HRF:60-100, HRG:30-94, HRH:80-100, HRK:40-100, HRL:100-120, HRM:85-115, HRR:114-125	
Executive Standards	BSEN 6508, ISO 6508, ASTM E18, GB/T230	
Dwell Time	0-99s	
Hardness Resolution	0.1 HR	
Error of Test Force	< 1%	
Data Output	LCD Touch Screen	
Data Save	The measured values are saved in USB flash in Excel format	
Conversion Scale	Brinell,Vickers, Superficial Rockwell	
Test Height	200mm	
Test Throat	200mm	
Machine Dimension	560 * 220 * 800 mm	
Net Weight	70kg	
Gross Weight &Package	90kg /780x470x940mm	
Power Supply	AC220 + 5%, 50 ~ 60 hz	

Packing List

Item	Quantity
Instrument Mainframe	1pc
Diamond Rockwell Indentor	1pc
1.5875mm Ball Indentor	1pc
150mm Flat Test Anvil	1pc
55mm Flat Test Anvil	1pc
40mm V-shape Test Anvil	1pc
HRC Hardness Block(60~70)	1pc
HRC Hardness Block(20~30)	1pc
HRB Hardness Block(80~100)	1pc
U-flash	1pc
Touch Pen	1pc
Spare Fuse (2A)	1pc
Dust Cover	1pc



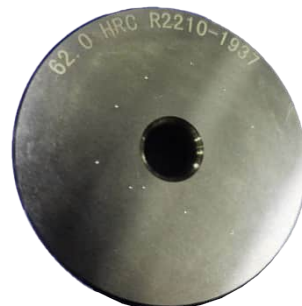
1.5875mm Ball Indentor



Diamond Rockwell Indentor



HRB Hardness Block



HRC Hardness Block(High)



HRC Hardness Block(Low)



150mm Flat Test Anvil



55mm Flat Test Anvil



40mm V-shape Test Anvil