

uRocky-150

Digital Rockwell Hardness Tester



Video



Contact us

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Feature and Application

Product Feature

- 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).

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

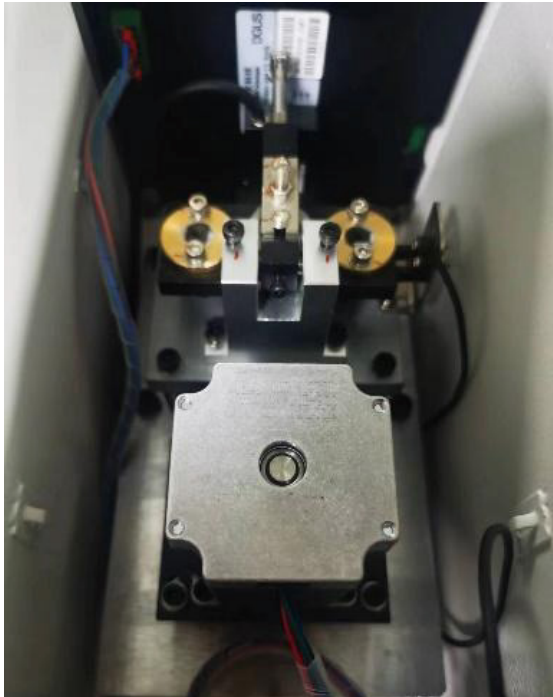
Force Calibration

Standard: kg

Measured: kg

Product Details

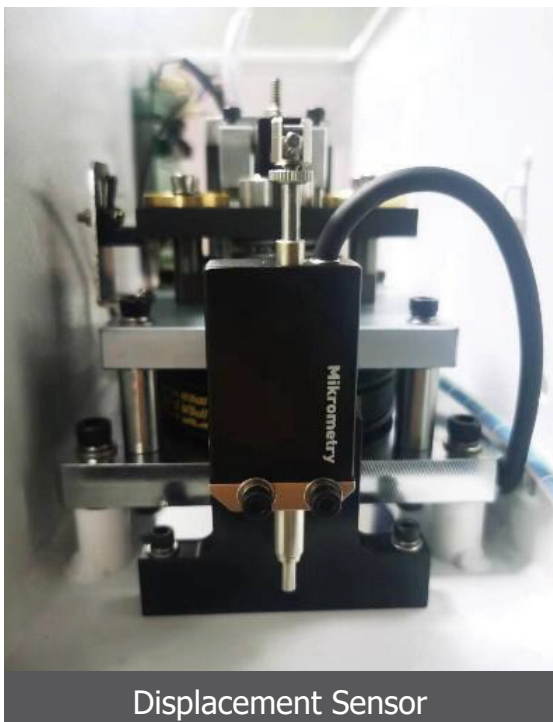
- uRocky-150CL is with Closed loop control system, high precision load cell structure. Automatically apply the initial test force and the main test force. Automatic testing process: Automatic loading - Dwell – Unloading.



Electronic Motorized Loading



Load Cell



Displacement Sensor



Displacement Sensor

Product Details

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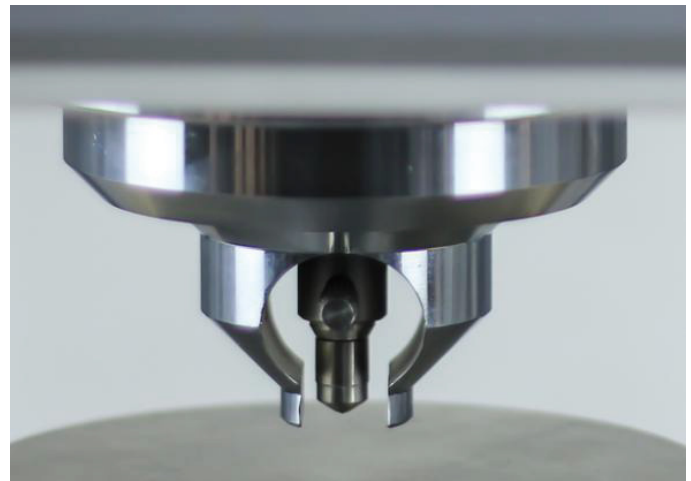
USB Interface



USB Interface

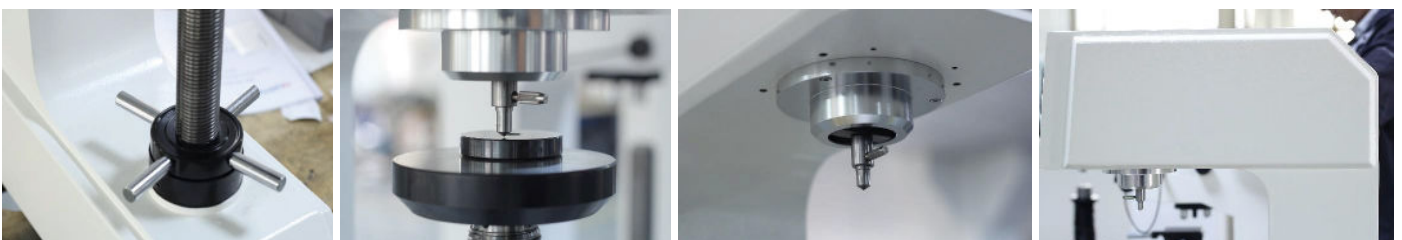


Indenter Protective Device



Indenter Protective Device

More Detailed Photos



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	

Technical Specification

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

Standard Delivery

Name	Qty	Photo
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	

Standard Delivery

Name	Qty	Photo
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	/