

uRocky-45

Digital Superficial Rockwell Hardness Tester



Contact us

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Feature and Application

Product Feature

- uRocky-45CL Close loop system, high accuracy load cell instead of dead weights.
- 8" inch touch screen interface for user directly select the hardness scale and test force and displays hardness value, conversion scale, test force, dwell.
- Automatic correction of high, medium and low hardness numbers.
- Automatically apply the initial test force and the main test force.
- Automatic testing process: Automatic loading-Dwell-Unloading, and automatic display hardness.
- Curve display: test force, displacement depth change curve, real-time test 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-45WL



uRocky-45CL

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

Tester

Product Name

Radius of Curvature

Range To

Hardness Type

Conversion Type Conversion Value

Dwell Time(S)

Hardness Value

Measurement Scale

<input type="button" value="HR15N/D"/>	<input type="button" value="HR30N/D"/>	<input type="button" value="HR45N/D"/>
<input type="button" value="HR15T/1.588"/>	<input type="button" value="HR30T/1.588"/>	<input type="button" value="HR45T/1.588"/>
<input type="button" value="HR15W/3.175"/>	<input type="button" value="HR30W/3.175"/>	<input type="button" value="HR45W/3.175"/>
<input type="button" value="HR15X/6.35"/>	<input type="button" value="HR30X/6.35"/>	<input type="button" value="HR45X/6.35"/>
<input type="button" value="HR15Y/12.7"/>	<input type="button" value="HR30Y/12.7"/>	<input type="button" value="HR45Y/12.7"/>

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

Scale/Force/Indentor Scale/Force/Indentor

Calibration

Scale:

Standard Hardness Value : Measured:

Low	<input type="text"/>	<input type="text"/>
Medium	<input type="text"/>	<input type="text"/>
High	<input type="text"/>	<input type="text"/>

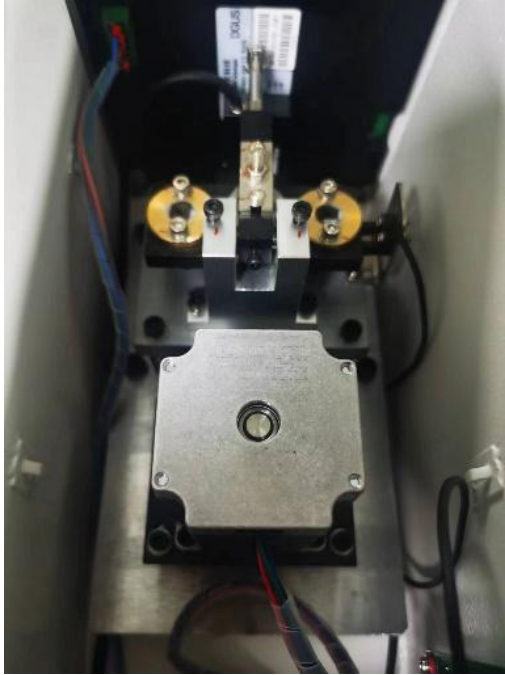
Force Calibration

Standard: kg

Measured: kg

Product Details

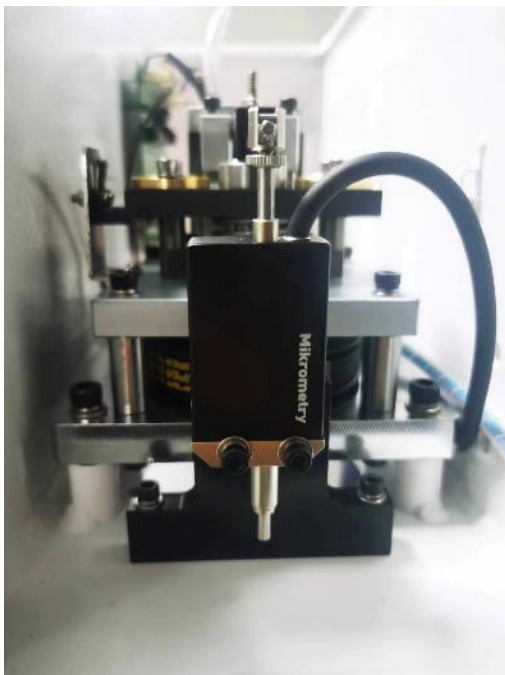
- uRocky-150CL is with Closed loop control system, high precision load cell structure. Automatically apply the initial test force and the main test force. Automatic testing process: Automatic loading-Dwell-Unloading.



Electronic Motorized Loading



Load Cell



Displacement Sensor



Displacement Sensor

Product Details

Data Output & Indentor Protective



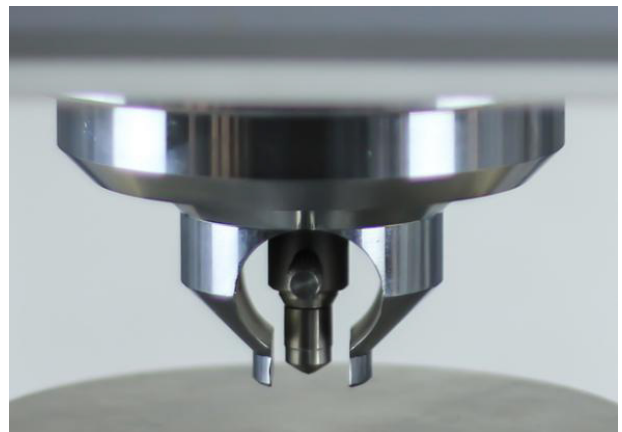
USB Interface



USB Interface



Indenter Protective Device



Indenter Protective Device

- 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.

More Detailed Photos



Ordering Information



uRocky-45WL Weights Loading Superficial Rockwell Hardness Tester



uRocky-150CL Closed Loop Superficial Rockwell Hardness Tester

Technical Specification

Model	uRocky-45WL	uRocky-45CL
Loading Method	Weights Loading	Closed Loop
Initial Test Torce	3.0Kgf(29.4N)	
Main Test Torce	15kgf(147.1N) 30kgf(294.2N) 45kgf(441.3N)	
Hardness Scale	HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y	
Conversion scale	HRA, HRB, HRC, HRD, HRE, HRF, HV, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T	
Rockwell Test Range	HR15N:70-94 HR30N:42-86 HR45N:20-77 HR15T:67-93 HR30T:29-82 HR45TW:10-72	
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 Reading	LCD Touch Screen	
Data Output	USB-flash in Excel Format	
Conversion Scale	Rockwell, Brinell and Vickers	
Test Height	220mm	
Test Throat	200mm	
Machine Dimensions	560 * 220 * 750 mm	
Net Weight	70kg	
Gross Weight & Packing Size	780*470*940mm/90kg	
Power Supply	AC220 + 5%, 50 ~ 60 HZ	

Standard Delivery

Name	Qty	Photo
Diamond Rockwell Indenter	1pc	
Regulating Screw	4pcs	/
Hardness Block (HR15N/HR30N /HR30T)	each 1pc	
Power Line	1pc	/
USB Flash Disk	1pc	/
Touch Pen	1pc	/
1.5875 mm Ball Indenter	1pc	
Test Anvil(55mm/150mm)	1pc	
40mm V-type Test Anvil	1pc	
Dust-proof Plastic Cover	1pc	/
Instruction Manual/Certificate	each 1copy	/
2A Fuse	1pc	/