

# 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

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

Scale/Force/Indentor      Scale/Force/Indentor

Calibration

Scale:

Standard Hardness Value : Measured:

Low

Medium

High

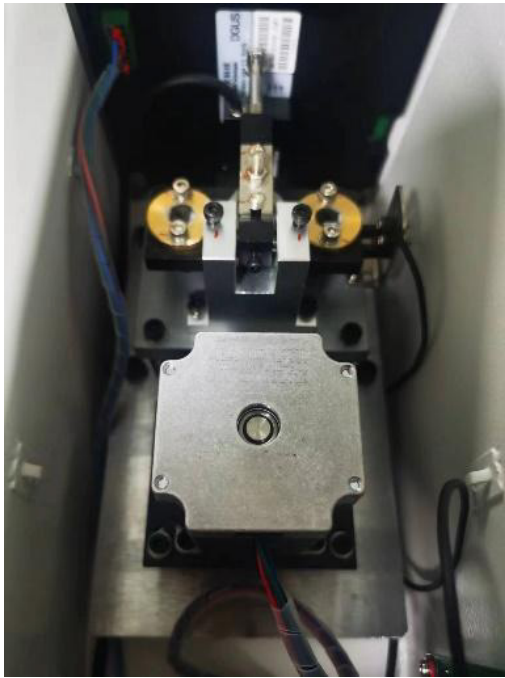
Force Calibration

Standard:  kg

Measured:  kg

## Product Details

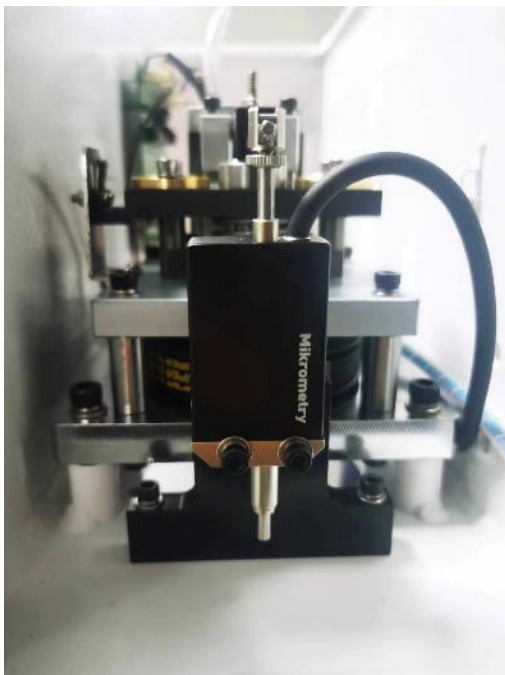
- uRocky-150CL is with Closed loop control system, high precision load cell structure. Automatically apply the initial test force and the main test force. Automatic testing process: Automatic loading-Dwell-Unloading.



Electronic Motorized Loading



Load Cell



Displacement Sensor



Displacement Sensor

## Product Details

### Data Output & Indentor Protective



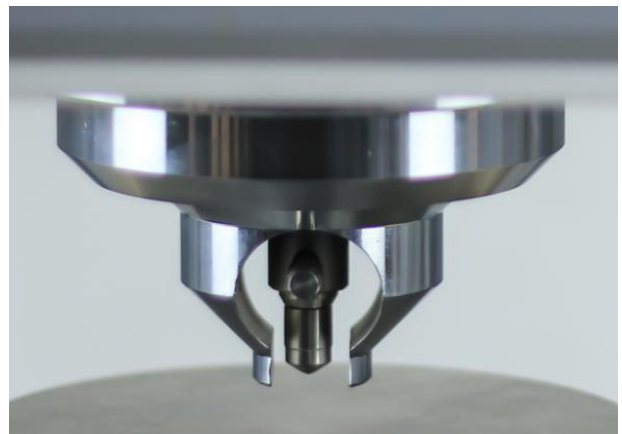
USB Interface



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

<b>Model</b>	uRocky-45WL	uRocky-45CL
<b>Loading Method</b>	Weights Loading	Closed Loop
<b>Initial Test Torce</b>	3.0Kgf(29.4N)	
<b>Main Test Torce</b>	15kgf(147.1N) 30kgf(294.2N) 45kgf(441.3N)	
<b>Hardness Scale</b>	HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y	
<b>Conversion scale</b>	HRA, HRB, HRC, HRD, HRE, HRF, HV, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T	
<b>Rockwell Test Range</b>	HR15N:70-94 HR30N:42-86 HR45N:20-77 HR15T:67-93 HR30T:29-82 HR45TW:10-72	
<b>Executive Standards</b>	BSEN 6508, ISO 6508, ASTM E18, GB/T230	
<b>Dwell time</b>	0-99s	
<b>Hardness Resolution</b>	0.1 HR	
<b>Error of Test Force</b>	< 1%	
<b>Data Reading</b>	LCD Touch Screen	
<b>Data Output</b>	USB-flash in Excel Format	
<b>Conversion Scale</b>	Rockwell, Brinell and Vickers	
<b>Test Height</b>	220mm	
<b>Test Throat</b>	200mm	
<b>Machine Dimensions</b>	560 * 220 * 750 mm	
<b>Net Weight</b>	70kg	
<b>Gross Weight &amp; Packing Size</b>	780*470*940mm/90kg	
<b>Power Supply</b>	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	/