

# iBRV-187.5EM

## Electric Motorized Brinell Rockwell Vickers Hardness Tester



Video



### Contact us

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## Feature and Application

### Product Feature

- Electric-motorized
- Universal hardness testing instrument for the measurement of Brinell, Rockwell and Vickers scale.
- 7-testing-face and 5-indenter, it is universal to measure a lot of material.
- Dwell time from 1 to 60S can be setup by the "time key" on the panel, it is much convenient than the setup on the manual hardness tester;
- Force knob adopts the metal material to replace the plastic, it improves the instrument using-life greatly.
- Loading, dwell and unloading is driven by electronic motor automatically, doesn't need the operator to handle it, it eliminates the human operating error maximum.

### Product Application

- Suitable for measuring the hardness of quenched, tempered, annealed, cold hard castings, malleable castings, hard alloy steel, aluminum alloy, copper alloy, bearing steel, etc.




# Technical Specification

<b>Initial Testing Force</b>	98.07N (10kg)
<b>Total Test Force</b>	588.4N (60 kg) 、 980.7N (100 kg) 、 1471N (150kg)
<b>Indenter</b>	Diamond Rockwell indenter、 $\Phi$ 1.5875mm ball indenter
<b>Test Scale</b>	HRA、 HRB、 HRC、 HRD
<b>Maximum Test Height of Specimen</b>	210 mm(Maximum space can be up to 400)
<b>Test force</b>	294.2N (30kg)、 306.5N (31.25kg)、 612.9N (62.5kg)、 980.7N(100kg)、 1839N(187.5kg)
	980.7N (100kg) 、 1839N (187.5kg)
<b>Indenter</b>	$\phi$ 2.5mm、 $\phi$ 5mm ball indenter
<b>Test scale</b>	HBW1/30; HBW2.5/31.25; HBW2.5/62.5; HBW5/62.5; HBW2.5/187.5
<b>Eyepiece Magnification</b>	15X
<b>Objective Magnification</b>	2.5X、 5X

## Technical Specification

<b>Initial Testing Force</b>	180mm
<b>Total Test Force</b>	294.2N (30kg) 、 980.7N (100kg)
<b>Indenter</b>	Diamond Vickers indenter
<b>Test Scale</b>	HV30; HV100
<b>Eyepiece Magnification</b>	15X
<b>Objective Magnification</b>	10X
<b>Maximum Height of Specimen</b>	180mm
<b>Display Method</b>	Special dial indicator for hardness tester
<b>Test Throat</b>	165mm
<b>Machine Dimension</b>	550×230×780mm
<b>Net Weight</b>	80kg
<b>Power Supply</b>	AC220V 50Hz

## Standard Delivery

Name	Qty	Photo
Machine Mainframe	1pc	
Diamond Vickers Indenter	1pc	/
HRC Standard Hardness Block	3pcs	/
HRB Standard Hardness Block	1pc	/
HRA Standard Hardness Block	1pc	/
HV Standard Hardness Block	1pc	/

## Standard Delivery

Name	Qty	Photo
HB Standard Hardness Block	1pc	/
Horizontal Adjustment Screw	4pcs	/
Power Line	1pc	/
Diamond Rockwell Indenter	1pc	
Φ1.5875mm Ball Indenter Φ2.5mm Ball Indenter Φ5mm Ball Indenter	each 1pc	
Pressure Head Set Screw	1pc	/

## Standard Delivery

Name	Qty	Photo
<b>Big, small, V-shaped sample stage</b>	each 1pc	
<b>Eyepiece</b>	1pc	/
<b>Slide Sample Table</b>	1pc	
<b>2.5X, 5X, 10X Objective</b>	each 1pc	/
<b>Level Gauge</b>	1pc	/
<b>Fuse 2A</b>	2pcs	/