

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

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

Technical Specification

Initial Testing Force	180mm
Total Test Force	294.2N (30kg) 、 980.7N (100kg)
Indenter	Diamond Vickers indenter
Test Scale	HV30; HV100
Eyepiece Magnification	15X
Objective Magnification	10X
Maximum Height of Specimen	180mm
Display Method	Special dial indicator for hardness tester
Test Throat	165mm
Machine Dimension	550×230×780mm
Net Weight	80kg
Power Supply	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
Big, small, V-shaped sample stage	each 1pc	
Eyepiece	1pc	/
Slide Sample Table	1pc	
2.5X, 5X, 10X Objective	each 1pc	/
Level Gauge	1pc	/
Fuse 2A	2pcs	/