

Mikrosize®

iBRV-187.5EM

Electric Motorized Brinell, Rockwell,
Vickers Hardness Tester



Video



Contact us

Mikrosize Precision Instrument Co.,Ltd

A-4035 RuiFeng Business Expo, Wuhu City, China , 241000.

Web: www.mikrosize.com

Email: mikrosize@mikrosize.com



Web: www.mikrosize.com

Email: mikrosize@mikrosize.com

Product Features & Application

Product Features

- 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:

Rockwell Scales	Initial Testing Force	98.07N （10kg）
	Total Test Force	588.4N（60 kg）、980.7N（100 kg）、1471N（150kg）
	Indenter	Diamond Rockwell indenter、Φ1.5875mm ball indenter
	Test Scale	HRA、HRB、HRC、HRD
	Maximum Test Height of Specimen	210 mm(Maximum space can be up to 400)
Brinel Scales	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	φ2.5mm、φ5mm 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
	Maximum Test Height of Specimen	180mm
Vickers Scales	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
Machine Mainframe	Display Method	Special dial indicator for hardness tester
	Test Throat	165mm
	Machine Dimension	550×230×780mm
	Net Weight	80kg
	Power Supply	AC220V 50Hz

Packing List

Name	Quantity	Name	Quantity
Machine Mainframe	1	Diamond Rockwell Indenter	1
Diamond Vickers Indenter	1	φ1.5875mm ball indenter φ2.5mm ball indenter φ5mm ball indenter	Each 1
HRC Standard Hardness Block	3	Pressure Head Set Screw	1
HRB Standard Hardness Block	1	Big、small、V-shaped sample stage	Each 1
HRA Standard Hardness Block	1	Eyepiece	1
HV Standard Hardness Block	1	Slide Sample Table	1
HB Standard Hardness Block	1	2.5X、5X、10X Objective	Each 1
Horizontal Adjustment Screw	4	Level Gauge	1
Power Line	1	Fuse 2A	2

Packing List



Hardness Block



Φ40mm V-shape test Anvil



Rockwell Indentor



Φ74mm Flat Test Anvil



Vickers Indentor



Slipped Test Table



Brinell Ball Indentor



Φ150mm Test Anvil