



## Standard Packing List:

- Hardness Block (57-70)HRC
- Hardness Block (20-33)HRC
- Hardness Block (85-100)HRB
- Vickers Hardness Block HV 30
- HBW2.5/187.5 Hardness Block
- Ø1.588mm Rockwell Ball Indenter
- Ø2.5mm Brinell Ball Indenter
- Ø5mm Brinell Ball Indenter
- Rockwell Cone Diamond Indenter
- Vickers Indenter
- Ø 150mm Flat Anvil/Ø 55mm Flat Anvil
- Ø 55mm V-shape Anvil
- 15x analogue Eyepiece
- 2.5x Brinell Objective
- 5x Vickers Objective
- Power Cable
- Accessories Box
- Instrument Manual

## Description:

- Hardness is one of the important criteria of the mechanical functions of materials, and the hardness test is the important way to judge the quality of the metallic materials or parts.
- As the metallic hardness has mutual correspondent relations with other mechanical functions, the majority of the metallic materials can calculate the other mechanical functions such as the strength, the fatigue, the evolutionary change and the degree of being worn out, which can be approximately inferred from the hardness shown by the test.
- HR-150M is an effective manual Rockwell testing machine with high accuracy, reliability and durability, it is applied at the workshops and measurement departments for determining the Rockwell hardness of the ferrous and non-ferrous metals.
- HR-150M analogue gauge resolution is 0.5HR, it is useful to improve the reading accuracy than traditional 1HR resolution.
- HR-150M force knob adopts the metal material to replace the plastic, it improves the instrument using-life a lot.
- HR-150M loading, dwell and unloading is buffering by oil pump, it eliminate the operator's tiredness.
- HR-150M indenter protector is available to improve the using lifetime of indenter.

## Specification:

Product Name	Electric Universal Hardness Tester
Model	HBRV-187.5E
Rockwell Scales	HRA, HRB, HRC
Rockwell Testing Force	60Kgf(588.4N)、100Kgf(980.7N)、150Kgf(1471N)
Brinell Scales	HBW1/30、HBW2.5/62.5、HBW10/100、HBW2.5/187.5
Brinell Testing Force	31.25Kgf(306.5N)、62.5Kgf(612.9N)、187.5Kgf(1839N)
Vickers Scales	HV 30、HV100
Vickers Testing Force	30Kgf(294.2N)、100Kgf(980.7N)
Rockwell Hardness Indication	Analogue Display
Rockwell Resolution	0.5HR
Loading Control	Automatic
Magnification of Microscope	Brinell:37.5x; Vickers:75x
Dwell Time	2~60s
Max. Height Of Specimen	Rockwell:170mm; Brinell, Vickers:140mm
Instrument Throat	165mm
Dimension(LxWxH)	520x215x700mm
Packing Dimension	630x440x960mm
Gross/Net Weight	120Kg/90Kg
Execution Standard	GB/T230.2, JJG112, EN-ISO 6508, ASTM E-18

## Optional Accessory:

Optional Items	Optional Items	Optional Items
Brinell Measuring Software	Brinell Indenter	Mini-printer
Computer	Hardness Blocks	Metallographic Equipments