

HST-HBRV187.5E Electric Universal Hardness Tester



Application:

HST-HBRV187.5E Electric Universal hardness tester is a multi-purpose and multi-functional hardness tester that can perform Brinell, Rockwell and Vickers hardness tests and seven-level test force, which can meet the requirements of various hardness tests of users. It is a high-precision, high-stability hardness tester with improved mechanical structure and improved stability.

Mainly used:

Determination of Brinell, Vickers, Rockwell hardness of ferrous metals, non-ferrous metals and hard alloys.

Wide range of applications, can be widely used to determine:

- a. Brinell hardness of castings, annealed steel, normalized steel, non-ferrous metals and soft alloys;
- b. Rockwell hardness of heat-treated materials such as quenching, quenching and tempering;
- c. Vickers hardness of nitriding layer, ceramics, thin plate, metal sheet, electroplating layer and tiny parts.

Features:

- 1.The fuselage part of the product is formed at one time by the casting process and has undergone a long-term aging treatment. Compared with the paneling process, the long-term use of the deformation is extremely small, and it can effectively adapt to various harsh environments;
- 2.Car baking paint, high-grade paint quality, strong scratch resistance, and still bright as new after many years of use;
- 3.The motor automatically controls the loading, holding and unloading of the test force to eliminate human operation errors;
- 4.Rockwell hardness can be read directly through the dial, Brinell and Vickers can be measured on-machine by sliding table and microscope;
- 5.It has three test methods of Brinell, Rockwell and Vickers, with seven test force, which can meet various hardness test requirements.

Technical Parameters:

Name	Specification
Rockwell test force	60, 100,150Kgf (588, 982, 1471N)
Rockwell scale range	HRA, HRB, HRC
Rockwell measuring range	20-90HRA, 20-100HRB, 20-70HRC
Brinell test force	306.5, 613.9, 1839N (31.25, 62.5, 187.5Kgf)
Brinell scale range	HBW2.5/31.25 HBW2.5/62.5 HBW2.5/187.5
Brinell measuring range	5-650HBW
Vickers test force	294.2, 980.7N (30, 100Kgf)
Vickers measuring range	5-3000HV
Overall lens magnification	150X, 75X, 37.5X
Specimen allowable maximum height	200mm
The distance from the center of the indenter to the machine wall	160mm
Power supply	AC220V, 50Hz

Dimensions	550*230*780mm
Weight	80Kg

Standard configuration:

Name	Unit	Quantity
Diamond Rockwell Indenter	Pc	1
φ1.5875mm carbide ball indenter	Pc	1
Diamond Vickers Indenter	Pc	1
φ2.5mm, φ5mm carbide ball indenter	Pc	1 ea.
Standard Rockwell hardness block	Pc	5
Standard Vickers hardness block	Pc	1
Standard Brinell hardness block	Pc	1
Sliding test stand	Pc	1
Large flat workbench	Pc	1
V-shaped table	Pc	1
Micrometer	Set	1
2.5X, 5X, 10X objective lens	Sheet	1 ea.
Spirit level	Pc	1
level adjustment screw	Pc	4
Fuse 2A	Pc	2
Phillips screwdriver	Pc	1
Power cable	Pc	1
Dust cover	Pc	1
Manual	Sheet	1