

HST-HBRV187.5SE Universal Hardness Tester



Important notices and safety information

HBRVS-187.5SE The digital Universal Hardness Tester has a novel appearance, complete functions, convenient operation, clear and intuitive display, and stable performance. It is a high-tech product integrating light, machine and electricity. Test, with multi-level test force, can meet a variety of hardness testing needs.

It has the characteristics of high test accuracy, simple operation, high sensitivity, convenient use and stable indication. Equipped with a built-in printer, and an optional RS232 data cable can be connected to a computer through a hyper terminal to export measurement reports.

Product feature

1. The body 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. It can be used immediately after power on, no need to install weights;
 4. It adopts a large-screen touch LCD interface, which is rich in content and easy to operate;
 5. The electronic closed-loop control applies the test force, and the force sensor controls the test force with an accuracy of 5‰, which fully realizes the automatic operation of the application, maintenance and removal of the test force;
 6. It can be converted to each other through the measured hardness values of each scale;
 7. The fuselage is equipped with a microscope, and is equipped with a high-definition microscope optical system to make the observation and reading clearer and reduce errors;
 8. Equipped with a built-in micro-printer, and optional RS232 data cable can be connected to the computer through a hyper terminal to export measurement reports.
 9. It has three test methods of Brinell, Rockwell and Vickers, and multi-level test force, which can meet various hardness test requirements;
- It can be converted into each other through the measured hardness values of each scale;

Main Specifications

Name	Specification
Rockwell test force	60、100、150Kgf 588、980、1471N
Rockwell scale range	HRA、HRB、HRC、HRD、HRF、HRG
Rockwell measuring range	20-90HRA、20-100HRB、20-70HRC
Brinell test force	15.625、31.25、62.5、125、187.5、250Kgf 153.2、306.5、612.9、1226、1839、2452N
Brinell scale range	HBW2.5/15.625、HBW2.5/31.25、HBW2.5/62.5、 HBW2.5/187.5、HBW5/62.5、HBW5/125、HBW5/250
Brinell measuring range	5-650HBW
Vickers test force	5、10、20、30、50、100Kgf 49.03、98.07、196.1、294.2、490.3、980.7N
Vickers scale range	HV5、HV10、HV20、HV30、HV50、HV100
Vickers measuring range	5-3000HV
Overall lens magnification	150X、75X、37.5X
Max. allowable height of the test piece	Rockwell 180mm Brinell 165mm Vickers 165mm

The distance from the center of the indenter to the machine wall

160mm

power supply

AC220V, 50Hz

Dimensions

550*230*780mm

weight

80Kg

Packing List

Name	Unit	Quantity
Diamond Rockwell Indenter	Pc	1
φ1.5875mm steel ball indenter	Pc	1
Big flat test bench, middle flat test bench, "V" type test bench	Pc	3
Standard Rockwell hardness block	Pc	5
Spirit level	Pc	1
Level adjustment screw	Pc	4
Allen key 2.5MM	Pc	1
Power cable	Pc	1
Digital Micrometer Eyepiece	Pc	1
Microscope Holder (Including Internal Illuminator)	Pc	1
2.5X, 5X, 10X objective lens	Pc	1 ea.
Skateboard test bench	Pc	1
Exterior lighting	Pc	1
Diamond Vickers Indenter	Pc	1
φ2.5mm, φ5mm carbide ball indenter	Pc	1 ea.
Standard Vickers hardness block	Pc	1
Standard Brinell hardness block	Pc	1
Dust cover	Pc	1
Manual	Sheet	1
Power cable	Pc	1
Certificate of Qualification	Sheet	1

