

Electronic Plastic Rockwell Hardness Tester XHR-150



Description:

- XHR-150 Plastics Rockwell Hardness Tester is adopted a mechanism to load and unload the test force automatically, through rotating the Load-Change Hand Wheel to change test force; therefore the operation of this instrument is very simply; easy and prompt.
- Setting zero to the dial, there is no man-made operation error. The present hardness tester is with high sensitivity and stability, so as to suitable for usage in workshop and testing laboratory.
- The method of plastics Rockwell hardness test is to press a ball indenter of a certain diameter into a specimen to be tested firstly with initial test force P_0 and then together with main test force P_1 . After apply with total test force P ($P_0 + P_1$) and keep a stipulated duration time, than unload the main test force.
- The difference between the press-in depth h_1 during the initial test force keeping and the press-in depth h_0 made by the initial test force applied means the permanent increment of indentation depth. Each press-in depth 0.002mm is as one hardness unit of plastics Rockwell.
- This test method is with the characteristic of high speed to test hardness and it is widely applied in inspecting the hardness for specimens.

Specifications:

Product Name	Electronic Plastic Rockwell Hardness Tester
Model	XHR-150
Rockwell Scales	HRE HRL HRM HRR
Preliminary Test Force	10Kgf (98.07N)
Test Force	60Kgf (558.4N) 100Kgf(980.7N) 150Kgf (1471N)
Indenter	φ3.175mm ball indenter φ 6.35mm ball indenter φ 12.7mm ball indenter
Dwell Time	Adjustable 1-60s
Hardness Indication	Analogue Display
Resolution	0.5HR
Loading Control	Electronic
Max. Height Of Specimen	175mm
Instrument Throat	165mm
Power	AC220V±5%, 50-60 HZ
Dimension (LxWxH)	525 x 215 x 700mm
Packing Dimension	630 x 440 x 960mm
Gross/Net Weight	120Kg/90Kg
Execution Standard	GB/T230.2 JJG112 EN-ISO 6508 ASTM E-18

Standard Packing List:

- Instrument Main Body
- Hardness Block HRE
- Hardness Block HRL
- Hardness Block HRM/HRR
- Φ 3.175 mm Ball Indenter
- Ø6.35mm /Φ 12.7 mm Ball
- Indenter
- Ø 150mm Flat anvil
- Ø 40mm V-shape Anvil
- Ø 60mm Flat Anvil
- Fuse/Power Cable
- Weight A/Weight B/Weight C
- Level/Regulating Screw
- Screwdriver/Spanner
- Anti-dust Cover Accessories Box
- Instrument Manual

Optional Accessories:

Optional Item	Optional Item	Optional Item
Ø 1/8" Steel Ball Indenter	Ø 1/4" Steel Ball Indenter	Ø 1/2" Steel Ball Indenter
Ø 1/8" Steel Ball	Ø 1/4" Steel Ball	Ø 1/2" Steel Ball