

MIDLAND METROLOGY LTD

Digital Plastic Rockwell Hardness Tester XHRS-150



Description:

- XHRS-150 Digital 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 simple, easy and prompt
- Besides 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 and then together with the main test force P1. After apply with total test force P and keep a stipulated duration time, then unload the main test force
- The difference between the press in depth H1 during the initial test force keeping and the press in depth h0 made by the initial test force applied means the permanent increment of indentation depth. Each press in depth of 0.002 mm 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 the inspecting the hardness for specimens

Specifications:

Product Name	Digital Plastic Rockwell Hardness Tester
Model	XHRS-150
Rockwell Scales	HRE HRL HRM HRR
Preliminary Test Force	10Kgf (98.07N)
Test Force	60Kgf (555.4N) 100Kgf (980.7N) 150Kgf (1471N)
Indenter	φ3.175mm Ball Indenter φ6.35mm Ball Indenter φ12.7mm Ball Indenter
Dwell Time	Adjustable 1-60 s
Hardness Indication	LCD display
Power	AC220V±5%. 50-60Hz
Resolution	0.5HR
Loading Control	Electronic
Max. Height of Specimen	175 mm
Instrument Throat	165 mm
Dimension (LxWxH)	525 x 215 x 700 mm
Packing Dimension	630 x 440 x 960 mm
Gross / Net Weight	120Kg / 90Kg

Standard Packing List:

- Instrument Main Body
- Hardness Block HRE
- Hardness Block HRL
- Hardness Block HRM/HRR
- φ3.175mm Ball Indenter
- Ø 6.35mm / φ12.7mm Ball Indenter
- Ø 60mm Flat Anvil
- Ø 150mm Flat Anvil
- Ø 40mm V-shape Anvil
- Fuse / Power Cable
- Level / Regulating Screw
- Screwdriver / Spanner
- Weight A/B/C
- Accessories Box
- Anti-dust Cover
- Instrument Manual

Optional Accessories:

- Ø 1/8" Steel Ball
- Ø 1/8" Steel Ball Indenter
- Ø 1/4" Steel Ball
- Ø 1/4" Steel Ball Indenter
- Ø 1/2" Steel Ball
- Ø 1/2" Steel Ball Indenter

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