

# 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 simply; 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  $P_0$  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	Digital Plastic Rockwell Hardness Tester
Model	XHRS-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 φ6.35mm ball indenter φ12.7mm ball indenter
Dwell Time	Adjustable 1-60s
Hardness Indication	LCD 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 ASTME-18

## Standard Packing List:

- Instrument Main Body
- Hardness Block HRE
- Hardness Block HRL
- Hardness Block HRM/HRR
- Φ 3.175 mm Ball Indenter
- Ø 6.35mm /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	Ø1/2" Steel Ball Indenter
Ø 1/8" Steel Ball	Ø 1/4" Steel Ball	Ø 1/2" Steel Ball