



XHRS-150 Digital Plastics Rockwell Hardness Tester

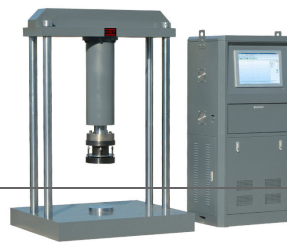
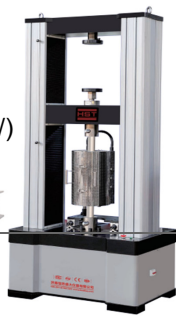
Product description:

XHRS-150 Digital Plastics Rockwell Hardness Tester



HST GROUP

Focus In Material Test



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PRODUCT DETAILS

PRODUCT VIDEO

1. 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.

2. 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 than 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 e 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.

Technical specifications

1. The Initial Test Force: 98.07N; Tolerance: $\pm 2.0\%$
2. The Total Test Force: 588.4N, 980.7N, 1471N; Tolerance: 2.0%
3. The Indenter Specifications:
 - 3.1 The $\phi 3.175\text{mm}$ ball indenter
 - 3.2 The $\phi 6.35\text{mm}$ ball indenter
 - 3.3 The $\phi 12.7\text{mm}$ ball indenter
4. The Power Source: AC220V $\pm 5\%$, 50-60 HZ
5. Time-delayed control: 2-60 seconds, adjustable
6. The Max. Height of the Specimen Tested: 175 mm
7. The Distance from the Ball Indenter Center to the Instrument Body: 165mm.
8. The Overall Dimension (Length \times Width \times Height): 520 \times 215 \times 700 (mm)
9. The Net Weight of the Tester: 78Kg (Approx)
10. The tolerances of displaying value and the repetition of the plastics Rockwell hardness tester

| Scales | Hardness Range of Standard Hardness Blocks | Allowed Tolerance of Displaying Value | Max. Repetition of Displaying Value |
|--------|--|---------------------------------------|-------------------------------------|
| HRE | 70~94HRE | ±2.0HRE | 2.5HRE |
| HRL | 100~120HRL | ±1.2HRL | 1.5HRL |
| HRM | 85~110HRM | ±1.5HRM | 2.0HRM |
| HRR | 114~125HRR | ±1.2HRR | 1.5HRR |

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