

# DIGITAL TOUCH SCREEN ROCKWELL HARDNESS TESTER



**RH-150T**

## DESCRIPTION

**HRH-150T** Digital touch screen Rockwell hardness tester has high level automation, stable and reliable performance, it is equipped with sophisticated sensors so that can test data more accurately; large touch screen provides comprehensive data for quality control.

- Color touch screen with menu structure, easy to operate;
- Status bar shows the test process in real-time.
- With hardness conversion function (HV, HBW, etc.)
- With a printer, test data can print out directly
- Test force - Indenter type show on screen, avoid mistakes
- Brightness is adjustable, to meet different visual habit • Car paint processing appearance, looking beautiful

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### APPLICATION:

Hardened steel, quenched and tempered steel, annealing steel, bearing steel, strip steel, hardened steel sheet, hard alloy, etc.

### FEATURES:

- The color touch screen will display hardness value, conversion value, test force, dwell time, indenter info. etc directly, indicator responses sensitively, show the hardness value accurately, the test value is more accurate than national standard;
- Automatic loading - dwell - unloading test force, easy operate
- Support English & Chinese language, menu structure
- Built-in printer can print test result directly
- One-time casted molding shell, stable structure and it is not easy to be out of shape. It can work
- under harsh environment; the shell coating adopted car paint technology with white color. it has strong scratch resistance capability and still look bright as new after use many years;
- The screw rod adopts the fine grinding process, which ensures that the machine can be lifted smoothly and without eccentricity, make test accuracy higher and more stable.

### TECHNICAL SPECIFICATIONS:

| Model No.              | HRH-150T  |
|------------------------|---|
| Rockwell scale         | HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK   |
| Conversion scale       | HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, H15N, H30N, H45N, H15T, H30T, H45T  |
| Preliminary test force | 10Kg(98N)   |
| Total test force       | 60Kg (588N), 100Kg (980N), 150Kg (1471N)<br>Tolerance range:±1.0%   |
| Indication Resolution  | 0.1HR   |
| Hardness value range   | HRA:20-88, HRB:20-100, HRC:20-70, HRD:40-77, HRE:70-100, HRF:60-100, HRG:30-94, HRH:80-100, HRK:40-100, HRL:50-115 HRM:50-115, HRR:50-115 |
| Hardness data read     | Color touch screen  |
| Loading method         | Automatic (Load, Dwell, Unload)   |
| Dwell time             | 1-60S, each step 1 second   |
| Data output            | Built-in printer, RS232 port  |
| Test space             | Maximum height :200mm; Maximum throat depth:160mm   |
| Machine Size / N.W     | 520X240x720mm (L×W×H); 85kg   |
| Package Size / G.W     | 600*365*900mm; 100kg  |
| Executive standard     | GB/T230.2 , BSEN 6508, ASTM E18 , ISO 6508 , JJG112   |

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**STANDARD ACCESSORIES:**

| <b>Item Name</b>                                | <b>Q'ty</b>  | <b>Item Name</b>                    | <b>Q'ty</b> |
|---|--------------|-------------------------------------|-------------|
| Rockwell hardness tester host                   | <b>1 set</b> | Medium testing table                | <b>1 pc</b> |
| Diamond Rockwell indenter                       | <b>1 pc</b>  | V-shaped testing table              | <b>1 pc</b> |
| 1.588mm diameter hard alloy steel ball indenter | <b>1 pc</b>  | Dust-proof cover                    | <b>1pc</b>  |
| Standard hardness block                         | <b>3 pcs</b> | Accessory case                      | <b>1 pc</b> |
| Large testing table                             | <b>1 pc</b>  | Operating instruction               | <b>1 pc</b> |
| Weights   | <b>3 pcs</b> | Quality certificate & Warranty card | <b>1 pc</b> |

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