

## HRS 150/45DX-ZXY Fully Automatic Rockwell Hardness Tester



The picture is for reference only

### Application Fields:

Industrial production, Inspection of product quality on processing technology. Ferrous and nonferrous metals, Hardened steel, tempered steel, annealed steel, hardened steel, sheet of various thicknesses, carbide materials, powder metallurgy materials, hardness and thermal spray coating.

Sheet metal, thin-walled pipe, hardened steel, and small parts of hardness.

Widely used in machinery manufacturing, metallurgy plants, universities, laboratories, etc.

### Main Technical Specifications:

|                                           |                                                            |
|-------------------------------------------|------------------------------------------------------------|
| Conversion Scale                          | Rockwell ,Brinell,Vickers                                  |
| Application                               | Applied for repeatedly testing large quantity of specimens |
| Preload for Rockwell hardness             | 98.1N (10kgf)                                              |
| Main Force for Rockwell hardness          | 60kgf(588.4N) 100kgf(980.7N) 150kgf(1471N)                 |
| Force error                               | ≤0.5%                                                      |
| Preload for Superficial Rockwell hardness | 29.4N (3kgf)                                               |

|                                              |                                                                                                                                                      |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Main Force for Superficial Rockwell hardness | 15kgf(147.1N) 30kgf(294.2N) 45kgf(441.3N)                                                                                                            |
| Superficial Rockwell test range              | HR15N: 70-94 HR30N: 42-86 HR45N: 20-77<br>HR15T: 67-93 HR30T: 29-82 HR45T: 10-72                                                                     |
| Dwelling Time                                | 0~60s                                                                                                                                                |
| Rockwell Scales                              | HRA: 20-96 HRB: 20-100 HRC: 20-70<br>HRD: 40-77 HRE: 70-100 HRF: 60-100<br>HR G 30-94 HRH: 80-100 HRK: 40-100<br>HRL: 50-115 HRM: 50-115 HRR: 50-115 |
| Carry Out Standard                           | Chinese Standard GB/T230.1, GB/T230.2, JJG112 Inspection Rule,<br>ASTM Standard                                                                      |
| Max Height of Specimen                       | 175mm, Added Height: 400mm                                                                                                                           |
| Distance between Indenter to outer wall      | 160mm                                                                                                                                                |
| Specimen Rising Speed                        | 3mm/s                                                                                                                                                |
| Specimen Rising Up                           | Automatically                                                                                                                                        |
| Apply Initial Test Force                     | Automatically                                                                                                                                        |
| Apply Main Test Force                        | Automatically                                                                                                                                        |
| Specimen moving in X or Y Axis               | Automatically Move                                                                                                                                   |
| Moving Precision in X or Y Axis              | 0.003mm                                                                                                                                              |
| Travels in X or Y Axis Direction             | 100mm                                                                                                                                                |
| Hardness Value Display                       | Automatically                                                                                                                                        |
| Hardness Value Exchange                      | Automatically                                                                                                                                        |
| Hardness Values Output                       | Built-in Printer, RS232 Interface, Normal Printer                                                                                                    |
| Hardness Statistic and Analysis              | With                                                                                                                                                 |
| Hardness Test Database Inquiry               | With                                                                                                                                                 |
| User's Stipulated Inspection Report          | Automatically Form                                                                                                                                   |
| Exchange Scales                              | Superficial Rockwell, Brinell, Vickers                                                                                                               |
| Readout Hardness Value                       | Large Digital Display Screen                                                                                                                         |
| Overall Dimension (mm)                       | 520x240x720mm                                                                                                                                        |
| Power Supply                                 | AC220V                                                                                                                                               |
| Net Weight of Main Tester                    | About 65kg                                                                                                                                           |





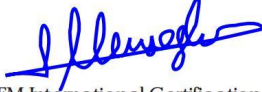
## MACHINERY DIRECTIVE ATTESTATION OF CONFORMITY

Technical file of the company mentioned below has been inspected and audit has been completed successfully.

2006/42/EC Machinery Directive Annex VIII has been taken as references for these processes.

Company Name : **JINAN HENSGRAND INSTRUMENT CO., LTD.**  
Company Address : NO.4915, WEST JINGSHI ROAD, JINAN, CHINA  
Related Directives and Annex : **2006/42/EC Machinery Directive/Annex VIII**  
Related Standards : **EN ISO 12100:2010, EN 60204-1:2018**  
Product Name : **TESTING MACHINE**  
Report No and Date : TCF-JHIC230128-MD  
Product Brand/Model/Type : WDS-1, WDS-2, WDS-3, WDS-5, WDS-10, WDS-20, WDS-30, WDS-50, WDS-100, WDS-200, WDS-300, WDS-500, WDW-1, WDW-2, WDW-3, WDW-5, WDW-10, WDW-20, WDW-30, WDW-50, WDW-100, WDW-200, WDW-300, WDW-500, WDW-600, WDW-1000, WE-300, WE-600, WE-1000, WE-2000, WEW-300, WEW-600, WEW-1000, WEW-2000, WAW-300, WAW-600, WAW-1000, WAW-2000, WAW-3000, WAW-5000, WAW-6000, LAW-1000, JB-300B, JBS-300, JBW-300, JB-500B, JBS-500, JBW-500, JBW-750, CST-50, VU-2Y, VU-1S, DWC-40, DWC-60, DWC-80, DWC-100, DWC-196, YES-2000, YES-300, YAW-1000, YAW-300, YAW-2000, YAW-3000, YAW-5000, NDS-200, NDS-500, NDS-1000, NDS-2000, NDW-200, NDW-500, NDW-1000, NDW-2000, NDW-3000, NDW-5000, NDW-10000, HEZ-3, HEZ-6, HEZ-10, JWJ-10, TLS, TLW, HST-P50, HST-P100, HST-P200, HST-P300, RDJ, NDT, DWTT, GBW-60, GW-50, HST, XNR-400

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Expiry Date : **31.01.2028**

  
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