

Load Cell Base Digital Twin Rockwell-Superficial Hardness Tester

HRSF-150TS



Main Function:

HRSF-150TS close loop load cell base digital Rockwell & Superficial Rockwell hardness tester with a good aesthetic aspect, complete functions, easy operation, intuitive display and good reliability, is a high-tech product combining the mechanic and electric features, which is suitable for the Rockwell hardness test.

1. Support for all the Rockwell scales and superficial Rockwell scales;
2. Support for conversion scales of different kinds of hardness;
3. with arc correction function;
4. Touch screen display and operation, dynamically display the working state of the lifting screw and the indenter;
5. With data storage function, automatic calculation of the maximum, minimum, average of the hardness value, the test results can be printed for output.

Application range:

Suitable for quenched steel, tempered steel, annealed steel, cold and hard casting, malleable cast iron, hard alloy steel, aluminum alloy, copper alloy, bearing steel etc. Also suitable for surface quenched steel, surface heat treating and chemical treating materials, sheet, zinc layers, chrome layers, tin layers etc.

Technical Specification:

Model	HRSF-150TS
Initial Test Force	3kgf (29.4N) for superficial Rockwell 10kgf (98N) for Rockwell
Total Test Force	15kgf (147.1N) 30kgf (294.2N) 45kgf (441.3N) 60kgf (588.4N) 100kgf (980.7N) 150kgf (1471N)
Indenter	Diamond Rockwell Indenter, ϕ 1.588mm Ball Indenter
Loading Method	Automatic (Loading/Dwell/Unloading)
Hardness Reading	Touch Screen
Test Scale	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y
Conversion Scale	HV, HK, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HBW
Data Output	Built-in Printer
Resolution	0.1HR
Dwell Time	0-99s
Test space	200mm x 160mm (Height x depth)
Power Supply	AC220V, 50Hz
Execute Standard	ISO 6508, ASTM E-18, JIS Z2245, GB/T 230.2
Dimension & weight	510*290*730mm, 90kg

Packing List:

Name	Qty	Name	Qty
Instrument Main Body	1 set	Diamond Rockwell Indenter	1 pc
φ1.5875mmBall Indenter	1 pc	Middle Plane Test Table	1 pc
Large Plane Test Table	1 pc	V-shaped Test Table	1 pc
Inner Hexagon Spanner	1 pc	Spanner	1 pc
Hardness Block	6 pc	Fuse 2A	2 pcs
Power Cable	1 pc	Anti-dust Cover	1 pc



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Actual product may differ in color and appearance due to constant development.