

ROCKWELL

10MHR-150J

The 10 MHR-150J automatic Rockwell hardness tester (mobile head) realizes the automatic control of the hardness testing process. The loading system adopts high-precision force value sensor and central controller to form a closed loop to realize the precise control of the test force value. The sounding system uses high-precision displacement sensors, which can obtain a hardness value resolution of 0.1HR. The equipment stage is fixed, and the hardness test is carried out by the pressure head moving up and down. The fixed test bench can eliminate the coaxiality error caused by the up and down rotation of the traditional lead screw. While improving the test accuracy and repeatability, the stability and working efficiency of the hardness tester are increased.



1. High-speed precision step control system is adopted to realize high-precision and fast test;
2. New design, mobile head structure, using high-precision guide rail to control the precise movement of the head;
3. High-definition LCD touch screen operation, menu-type operation interface, intuitive display and simple operation;
4. Configure a wireless printer to facilitate the printing and saving of test results.

Scope of application:

Suitable for quenching, quenching and tempering, annealing, chilled castings, malleable castings, hard alloy steel, aluminum alloy, copper alloy, bearing steel and other hardness determination.

Parameter Name	Parameter Data	
Control System	precision step control system	
Holder time	1-60S	
Initial test force	10kgf(98.07N)	3kgf(29.4N)
Total test force	60、100、150kgf (588.4、980.7、1471N)	15、30、45kgf (147.1、294.2、441.3N)
Pressure head specification	Diamond Rockwell indenter, ϕ 1.5875mm steel ball indenter	
Maximum allowable height of test piece	280mm	
Distance from the center of the pressure head to the wall	170mm	
Measuring scale	HRA;HRB;HRC;HRD;HRE;HRF;HRG;HRH;HRK;HRL;HRM;HRP;HRR;HRS;HRV;HR15N;HR30NHR45N;HR15T;HR30T;HR45T;HR15X;HR15Y;HR30X;HR30Y;HR45X;HR45Y	
Hardness conversion scale	HRA;HRB;HRC;HRD;HRF;HV;HK;HBW;HBS;HR15N;HR30N;HR45N;HR15T;HR30T;HR45T	
Tolerance Judgment	GO/NG	
Hardness value reading	LCD Digital Display	
Data Output	Built-in Bluetooth, RS-232 interface, USB interface	
Power	AC220V, 50Hz	
Overall dimension	400*855*620mm	

Name	Quantity
Host	1 set
Wireless Printer	1set
Small flat Working Table	1pc
V-type workbench	1pc
Diamond cone indenter	1pc
ϕ 1.5875mm steel ball indenter	1pc
ϕ 1.5875mm steel ball	5pcs
A scale standard hardness block	1pc
B scale standard hardness block	1pc
C scale standard hardness block	3pcs
15N scale standard hardness block	1pc
30N scale standard hardness block	2pcs
30T scale standard hardness block	1pc
Power Cord	1pc
Screwdriver	1pc
Manual	1 sheet
Certificate	1 sheet
Warranty card	1 sheet



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