

Automatic Rockwell hardness tester



Model:JMHRs-150

Full automatic/semi-automatic rockwell hardness tester of new upush-down intender adopt . advanced closed loopsensor control technology to realize automatic control and hardness testing process. Loading system use the high precision sensor and central controller forming a closed loop circuit to realize the continuous tracking and control burner process. Sounding system adopts high precision displacement sensor, which can obtain minimum hardnessvalue resolution 0.1 HR. The up –and- down motion of indenter can test hardness when object stage was fixed,. Fixed testing bench can eliminate coaxial error due to traditional lead screw rotating up and down, greatly improve the test precision and repeatability, also increases the stability and efficiency of the machine run.

Product Features:

- strong rack construction, good rigidity .
- full automatic closed loop sensor loading
- test 15 kinds of Rockwell and 15 kinds of superficial Rockwell hardness scale .
- high accuracy and international contrast is less than 0.5 HR .
- accord with a standard ASTM E18 ISO6508 GB/T230.2 .
- new design, the push-down intender.
- high precision loading system, effectively avoid dynamometry overloading
- can be retreated from function in fixed worktable automatically by the pressure head in and out of the last measurement
- automatically promote the initial test load handpiece and automated load, can guarantee the load producing steadily
- high-definition LCD touch screen, the menu operation interface
- backlit LCD display, automatic data statistics and storage ,RS - 232 data output interface.
- upload and offload automatically, keep time adjustable
- judge the tolerance of GO/NG

Revise the test value of cylinder, sphere

load selection and scale of hardness selection interlock.

optional operation languages include English, Chinese , it's convenient for user to operate

HR scale conversion, HB, HV and tensile strength

built-in printer.

extensive standard configuration can satisfy all the testing requirements of the scale

Full Automatic closed loop sensor loading system, testing bench fixing, achieving high precision and fast test, which can also provide a higher level standard hardness.

Technical parameters:

Model	JMHRS-150
Initial test force	3kgf、10kgf
Main test force	15kgf、30kgf、45kgf、60kgf、100kgf、150kgf
Superficial rockwell hardness	HR15N、HR30N、HR45N、HR15T、HR30T、HR45T、HR15W、HR30W、HR45W HR15X、HR30X、HR45X、HR15Y、HR30Y、HE45Y
Rockwell hardness	HRA、HRB、HRC、HRD、HRE、HRF、HRG、HRH、HRK、HRL、HRM、HRP、HRR、HRS、HRV
LCD display	Rockwell scale 、 The total test 、 Hardness value 、 Cover charge time 、 Upper and lower set point GO/NG instructions, etc
Add unloading way	Closed loop load control technology (load, load and unload)

Scale selection	Touch screen to select
Scale conversion	HR、HB、HV
Cover charge time	0~99s
Data output	A built-in printer, RS232 interface
precision	ASTM E18、ISO6508、GB/T230.2
Allow the specimen height	300mm
Place the specimens	The surface placed
The power supply	110/220V AC、60~50Hz

The Standard Configuration:

Name	Quantity	Name	quantity
host	1	Diamond indenter	1
Φ 1.588 steel ball head	1	Φ 1.588 steel ball	5
The sample units	1	V-shaped sample units	1
Dust cover	1	The power cord	1
Indenter lock screw	1	RS232 communication line	1
Instruction for use	1	Product qualification certificate	1

Warranty card	1		
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