

Digital Display Rockwell Hardness Tester

Model: JG-103



(Photo for reference only)

Product Introduction

JG-103 Digital Display Rockwell hardness tester with large screen button control, easy to understand. The equipment has good reliability, operability and intuitiveness, and is a high-tech product integrating electromechanical. Can display and set the current test scale, load time, hardness conversion value, etc., and can also print out the test results. Hardness test results are saved in real time, the operation interface is intuitive and clear, and easy to use. Suitable for quenching, quenching and tempering, annealing, chilled castings, malleable castings, hard alloy steel, aluminum alloy, copper alloy, bearing steel and other hardness determination.

- It can automatically convert various hardness parameters to each other, configure the printer, and read the relevant test results. Automated operation is achieved, eliminating human operation and reading errors.
- The loading, holding and unloading of the test force are controlled by the motor, which eliminates the manual operation error of the manual Rockwell hardness



tester, and the accuracy conforms to GB/T230.2-2018, ISO6508-2 and American ASTM E18-16-M standards.

Technical Specifications

Model	JG-103
Initial Test Force	10kgf (98.07N)
Test Force	60, 100, 150 kgf
	588.4, 980.7, 1471N
Measuring Range	20-88HRA, 20-100HRB, 20-70HRC
Indenter Specification	Diamond Rockwell Indenter, \varnothing 1.588mm Ball Indenter
Test Force Loading Method	Automatic (Loading, Dwelling and Unloading)
Measurement Scale	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV
Convert Scale	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
Data Output	Building Printer
Max Allowable Height of the Test Piece	210mm
The Distance from the center of the indenter to the Machine Wall	165mm
Hardness Resolution	0.1HR
Executive Standards	ISO 6508, ASTM E-18, JIS Z2245, GB/T 230.2
Power Supply	AC220, 50Hz



Dimensions	220*510*694mm
Net Weight	98kg

Packing List

Description of Goods	Quantity
Main unit	1 Set
Diamond Rockwell Indenter	1 Pc
φ 1.5875mm ball Indenter	1 Pc
Test bench (Big flat, Small flat, V-shape)	Total 3 Pcs
Standard Rockwell Hardness Block	HRA: 1 Pc HRB: 1 Pc HRC (High, Medium, Low): 3 Pcs
Power cable	1 Pc
Standard weight (A, B, C)	Total 3 Pcs
Dust-proof plastic cover	1 Pc
Product certificate	1 Sheet
Instruction manual	1 Sheet

