

Manual Rockwell Hardness Tester

Features:

- TruForce TF-HR1 manual Rockwell Hardness Tester offers high resolution to 0.5HR
- Reliable test results
- Metal force knob improves the working life of the instrument
- The loading, dwell and unloading is buffering by oil pump, which eliminates the operator's error
- The unit comes with indenter protector to improve the working life of the indenter

Application

- Rockwell B Scale HRB: Copper alloys, soft steels, aluminium alloys, malleable iron, etc
- Rockwell C Scale HRC: Steel, hard cast irons, pearlitic malleable iron, titanium, deep case hardened steel, and other materials harder than B100
- Rockwell A Scale HRA: Cemented carbides, thin steel, and shallow case-hardened steel



Optional Accessories



Indenter Protector Cap



Indenters



Small Flat Anvil

Standard Configuration

Description	Code #	Description	Code #
Instrument Main Body	811-110	Ø60mm Flat Anvil	811-511
Hardness Block (57-70) HRC	811-641C	Ø40mm V-Shape Anvil	811-521
Hardness Block (20-33) HRC	811-611C	Weight A	811-711
Hardness Block (85-100) HRB	811-641B	Weight B	811-721
1.588mm Ball Indenter	811-420	Weight C	811-731
Diamond Intender	811-400	Instrument Manual	TF-HR1
Ø150mm Flat Anvil	811-541		

Specifications:

Description	Manual Rockwell Hardness Tester
Model	TF-HR1
Code#	811-110
Rockwell Scales	HRA, HRB, HRC
Preload	98.1N (10kgf)
Total test force	(60kgf), 980.7N (100kgf), 1471N (150kgf)
Display	Analogue Display
Load dwell duration	Adjustable 1~60s
Resolution	0.5HR
Loading Control	Manual
Max Height of Specimen	175mm
Throat	165mm
Dimensions	546mm×182mm×755mm
Packing Dimensions	620 x 460 x 870mm
Net weight	90Kg
Gross weight	120Kg