Digital Rockwell Hardness Tester

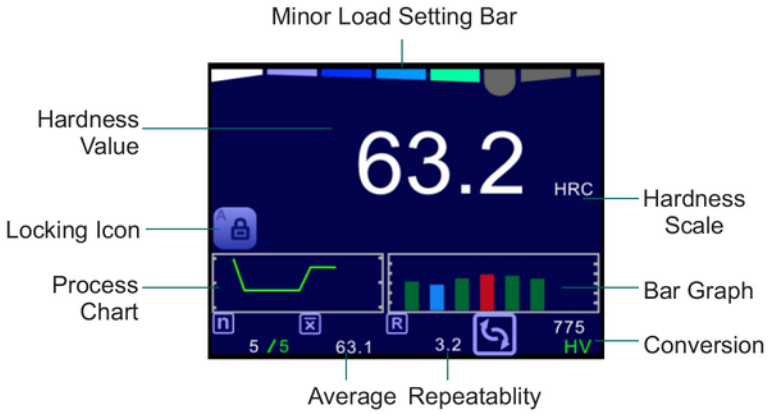
TRH-150DM

Features

- Motorized Digital Rockwell Hardness Tester
- Touch Screen panel for Dwell time selection and test cycle start.
- Automatic testing (Loading, Dwell, Unloading) after applying the preliminary test force by hand.
- Minor load setting by LCD bar graph
- Tolerance measurement with alarm indication.
- Easy to read, large Size 320 x 240 TFT LCD display
- Measurement value can be sent to PC through USB cable (optional).
- Memory of 500 measurement values for browsing and output.
- Set measurement times (2-9) to have average value and difference to max. and min. value.
- Hardness conversion facility available as per ISO-18265 and ASTM-E140 in different scales such as Brinell, Vickers, Knoop, Leeb, Rockwell & Rockwell Superficial.
- Automatic power off.

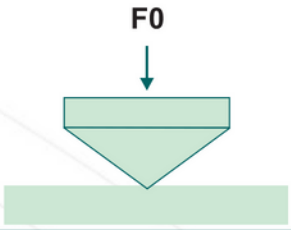
APPLICATION

it is widely used to measure the Rockwell hardness of ferrous and non-ferrous metals such as quenched steel, tempered and annealed steel, hard alloy steel, aluminium alloy, copper etc. in the labs of research institutions, colleges, factories and mines.

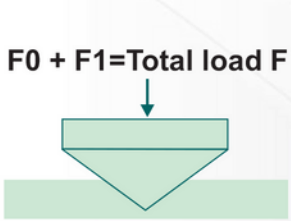


TEST PROCEDURE

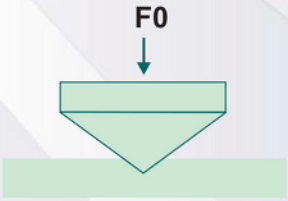
(1) Lift the test piece, until the indicator reading is between 2.80 and 3.20 (Zeroing zone)



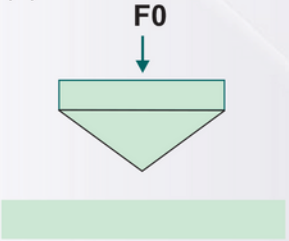
(2) Loading the main test force



(3) unloading the main test force



(4) Lower and remove the test piece. The indicator turns to 0.000



TECHNICAL SPECIFICATION	
Preliminary test force	98.07 N (10kgf)
Total Test force	588.4 N, 980.7 N,1471 N (60,100,150 kgf)
Scales Display	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV
Minor load setting	By bar graph indicator (Manual setting)
Load Control	Automatic (Loading, Dwell, Unloading)
Dwell Time	0-60sec
Least Count	0.1 HR
Data Output	Mini USB Port
Memory	500 Readings
Max. test height	180mm
Depth of throat	135 mm (from the centre to of indenter)
Power Supply	Built in rechargeable battery (Charger AC 240 volts; DC 5V, 1A
Dimension (H x W x L)	630x238x466mm
Net Weight (Approx.)	65 kg

STANDARD ASSOSORIES	
Φ60mm flat anvil	1 No
Φ60mm V-type anvil	1 No
Diamond indenter	1 No
Φ1.587mm carbide ball indenter	1 No
Hardness test block HRB	1 No
Hardness test block HRC	1 No
Screw Driver	1 No
Accessories Box	1 No
Cover for elevating screw	1 No
Instruction Manual	1 No
Optional Accessories	
USB Cable and Software	1 No
Wireless Printer	1 No

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