

METTECHNIK

One stop solution in Metallurgy Testing

Digital Motorized Rockwell Hardness Testing Machine



Rockwell Hardness Testing Machine is manufactured under strict quality control at all manufacturing stages. This model is suitable for testing hardness of metals and alloys of all kinds, hard or soft, whether flat or round etc. or of irregular shape. This model is having superior design to that of existing conventional Rockwell Hardness Testers & easy to operate still quite sensitive & accurate.

Features

Machine is having different Taper front look and superior aesthetic look over conventional Rockwell Hardness Tester.

Unidirectional Big Dial type auto load selection knob for load selection of loads 60, 100 & 150 kgf.

Most of the important parts are plated to avoid rusting

An antifriction linear bearing is fixed in Hardened & ground stepped bush which will provide perfect vertical movement of diamond holder. Thus the testing of small pin or ball upto 3mm dia is possible.

All models conform to -

IS : 1586, BS 10109-2, ASTM-E-18 & ISO : 6508-2 for Rockwell Test.

Salient Features :

LCD Graphical Display with 128 x 64 pixels & Results are displayed in BIG Font size

Minor load is graphically displayed on LCD screen (Minor load auto brake system)

Provision of Numbers. of tests, mean, standard deviation, maximum, minimum range, individual test hardness numbers in PC Software.

Dwell Time setting for MAJOR Load 1 to 99 sec & MINOR load dwell time is 1-30 sec.

75 Results are stored in the system with automatic result data storage.

User can enable auto save results storage in system or disable it.

User can select appropriate scale according to weight selected.

Motorized Automatic Loading or Manual Loading is selectable.

Conversion of results from Rockwell to Brinell (HB) , Vickers (HV), Knoop (HK), Tensile Strength (KSI),

Serial Port for Dot Matrix Printer or EPSON LX 300 +(optional).

Print result consists of Serial No. Hardness Value and Hardness Scale

Technical Specifications :

Model	TRSN-D	TRSN-TD	TRSN-BD	TRSN-CD
Test Loads (kgf)	60,100,150	15,30,45,60,100,150	60,100,150,187.5,250	15,30,45,60,100,150,187.5,250
Initial Loads(kgf)	10 kgf.	3 kgf. For superficial test	10 kgf.	3 kgf. for superficial test
		10 kgf. for Rockwell		10 kgf. for Rockwell & Brinell Test
Max. Test	220	220	220	220>
Depth of Throat	130	130	130	130
Size of base (mm)	600 * 200	600 * 200	600 * 200	600 * 200
Machine Height	850	850	850	850
Net weight (approx) kg.	90 kg.	90 kg.	90 kg.	90 kg.

Standard

Accessories :

Model	TRSN-D	TRSN-TD	TRSN-BD	TRSN-CD
Rockwell Diamond Indenter	1 No.	1 No.	1 No.	1 No.
Superficial Diamond Indenter	-	1 No.	-	1 No.
Testing Table Dia 50 mm	1 No.	1 No.	1 No.	1 No.
Testing Table Dia 40 mm with 'V' Groove	1 No.	1 No.	1 No.	1 No.
for round jobs Dia 6 to 45 mm				
Steel Ball Indenter Dia 1/16"	1 No.	1 No.	1 No.	1 No.

Steel Ball Indenter Dia 2.5 mm	-	-	1 No.	1 No.
Steel Ball Indenter Dia 5 mm	-	-	1 No.	1 No.
Test block HRC	1 No.	1 No.	1 No.	1 No.
Test Block HRB	1 No.	1 No.	1 No.	1 No.
Test Block HB 2.5 mm /187.5 kgf.	-	-	1 No.	1 No.
Test Block Rockwell Superficial 30N	-	1 No.	-	1 No.
Steel Ball Indenter Dia 1/16"	5 Nos.	5 Nos.	5 Nos.	5 No.
Allen Spanners	3 Nos.	3 Nos.	3 Nos.	3 Nos.
Brinell Microscope	-	-	1 No.	1 No.
Telescopic Sleeves for elevation screw	1 set	1 set	1 set	1 set
Instruction Manual	1 Book	1 Book	1 Book	1 Book

We also supply all types of Metallography Equipments

