

METTECHNIK

One stop solution in Metallurgy Testing

ANALOG ROCKWELL HARDNESS TESTER



Rockwell, Rockwell Cum Brine II, Rockwell Cum Rockwell Superficial Fine make hardness testers model IRS, TRS-150_ TRB, TRB-250 and TSM are manually operated_ These models are designed and developed after years of experience in this field. All the models are manufactured under strict quality at all manufacturing stages. These models are suitable for testing hardness of metals and alloys of all kinds,. hard or soft, whether flat or round etc_ or of irregular shape. These Testers are simple in design and easy to operate, still quite sensitive and accurate. These models strictly conform to IS 3804. BS 891 Part-I & IL ASTM-E-18 for Rockwell test and IS 2281-2005_ BS 240. ASTM-E-10 for Brinell test and IS 5073-1988_ ASTM-E-18 for Rockwell Superficial test.

TRS : Automatic weight selection with automatic zero setting dial gauge.

TRS-150 : Automatic weight selection with automatic zero setting dial gauge.

Rockwell cum Brinell Combined System

TRS : Automatic weight selection with automatic zero setting dial gauge.

TRB - 250 : Arrangement similar to TRS with two additional weights of 187.5 kgf and 250 kgf for Brinell tests. On this machine small pieces having Dia 2 mm can be tested as plunger is guided with a set of six bearings

Rockwell cum Rockwell Superficial Combined system :

TSM : This hardness tester is similar to TRB-250 machine in construction and with automatic weight selection. This is useful for carrying Rockwell and Rockwell Superficial Tests. The Rockwell Superficial method is useful for checking hardness of very thin sheets and surface hardness.

Ø All models conform to -

Ø IS : 3804 BS 10109-2 & ASTM-E-18 for Rockwell Test

Ø IS : 5073 BS 10198-2 & ASTM-E-18 for Rockwell Superficial Test

Ø IS : 2281 BS 10003-2 & ASTM -E-10 for Brinell Test

Technical Specifications :

Model	TRS	TRB	TRB250	TSM
Test Loads (kgf)	60,100,150 (Rockwell)	60,100,150, (Rockwell) 187.5, (Brinell)	60,100,150, (Rockwell) 187.5, 250 (Brinell)	60,100,150 (Rockwell) 15,30,45 (Rockwell Superficial)
Initial Loads(kgf)	10	10	10	10 (Rockwell) and 3(Rockwell Superficial)
Max. Test	215	215	295	295
Depth of Throat	132	132	148	148
Size of base (mm)	430X180	430X180	475X220	475X220
Machine Height	635	635	865	865
Net weight (approx) kg.	65	65	105	125

Standard

Accessories :

Model	TRS	TRB	TRB250	TSM
Rockwell Diamond Indenter	1 No.	1 No.	1 No.	1 No.
Superficial Diamond Indenter	-	-	-	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.
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

