Rockwell System

MRS : Automatic weight selection with automatic zero setting dial gauge.
MRS-150: Automatic weight selection with automatic zero setting dial guage with more testing height and throat.

Rockwell cum Brinell Combined System

MRB: MRB-250 Automatic weight selection with automatic zero setting dial gauge. Arrangement similar to MRS with two additional weights of 187.5 kgf and 250 kgf for Brinell tests. On this machine small pin having Dia 2mm can be tested as plunger is guided with a set of six bearings.

Rockwell cum Rockwell Superficial Combined

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

Model : MRB-250

Model : MSM

Motorised Hardness Tester

Model MRS-M	:Similar to MRS
Model MRS-150-M	:Similar to MRS-150
Model MRB-M	:Similar to MRB
Model MRB-250-M	:Similar to MRB-250
Model MSM-M	:Similar to MSM

Application and removal of major load is motorised Motorised models have semi automatic operations. For products testing.Drive motor - Single Phase, 230-V, 50 Cycles AC.

Portable Hardness Tester

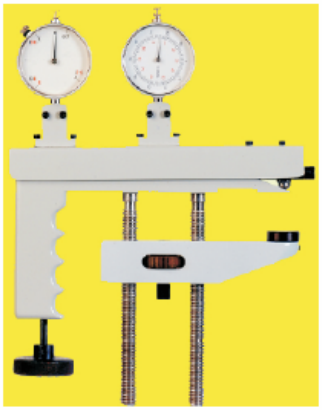
Portable Rockwell Hardness Tester model MRP-1 is able to test parts where bench type not useful. This machine is quite handy for product testing of crank shafts, cylinder blocks, liner and assemblies. This can be used for testing the hardness of both inside and outside of surface testing of pipes, bushings, ball bearing rings or other complicated parts. This model can be used in any direction without affecting the accuracy.

Technical Data

Maximum test height	:110mm
Throat capacity	:55mm
Weight (Approx.)	:1.75 kg

Standerd Accessories

Flat anvil 25mm	:1 No.
V-anvil 25mm	:1 No.
Test block HRC	:1 No.
Test block HRB	:1 No.
Diamond indentor	:1 No.
1/16" ball indentor	:1 No.
Steel Ball 1/16"	:5 Nos.
Carry case	:1 No.



Model : MRP-1

Technical Specifications -

Model	MRS	MRS-150	MRB	MRB-250	MSM
1.Test Loads(Kgf)	60, 100, 150 (Rockwell)	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)
2.Initial Loads (kgf)	10	10	10	10	10 (Rockwell) and 3 (Rockwell Superficial)
3.Max. Test Height(mm)	215	295	215	295	295
4.Depth of Throat(mm)	132	148	132	148	148
5.Max.Depth of Elevating Screw Below Base(mm)	230	295	230	295	295
6.Size of Base (mm) (Apprpx.)	430X220	475X220	430X180	475X220	475X220
7.Machine Height (mm)	635	865	635	865	865
8.Nett Weight kg. (Approx.)	65	105	70	125	125

Standard Accessories -

Model	MRS	MRS-150	MRB	MRB-250	MSM
1.Rockwell Diamond Indentor	1 No.	1 No.	1 No.	1 No.	1 No.
2.Superficial Diamond Indentor					1 No.
3.Testing Table 50mm	1 No.	1 No.	1 No.	1 No.	1 No.
4.Testing Table 40mm with 'v' Groove for round jobs 6 to 45 mm	1 No.	1 No.	1 No.	1 No.	1 No.
5.Steel Ball Indentor 1/16"	1 No.	1 No.	1 No.	1 No.	1 No.
6.Steel Ball Indentor 2.5 mm			1 No.	1 No.	
7.Steel Ball Indentor 5 mm				1 No.	
8.Test Block HRC	1 No.	1 No.	1 No.	1 No.	1 No.
9.Test Block HRB	1 No.	1 No.	1 No.	1 No.	1 No.
10.Test Block HB 2.5 mm/187.5 Kgf			1 No.	1 No.	
11.Test Block Rockwell Superficial 30N					1 No.
12.Steel Ball 1/16"	5 Nos.	5 Nos.	5 Nos.	5 Nos.	5 Nos.
13.Allen Spanners	3 Nos.	3 Nos.	3 Nos.	3 Nos.	3 Nos.
14.Clamping Device	1 No.	1 No.	1 No.	1 No.	1 No.
15.Brinell Microscope			1 No.	1 No.	
16.PVC Cover for Machine	1 No.	1 No.	1 No.	1 No.	1 No.
17.Rubber Bellow	1 No.	1 No.	1 No.	1 No.	1 No.
18.Instruction Manual	1 Book	1 Book	1 Book	1 Book	1 Book

Total Load in kgf.(Initial Load 10 kgf.)	60	100	150	187.5	250
Indentor	Diamond 120°	Ball 1/16'	Diamond 120°	Ball 2.5 mm	Ball 5 mm
Test Scales	Rockwell A	Rockwell B	Rockwell C	Brinell, F/D^2=30	Brinell, F/D^2=10
Suitable for	Tests on case hardness steel	Annealed Ferrous & non ferrous metals	Annealed Hardened & tempered deep case hardened steel	Annealed steel & cast irons	Copper, Copper alloys & Al, alloys