



DIGITAL MOTORISED ROCKWELL HARDNESS TESTING MACHINE



VERTEX make Digital Motorised Rockwell Hardness Testing Machines are suitable for testing hardness of metals and alloys of all kinds.

These machines are strictly confirms to IS : 1586 : 2000, BS : 891 Part I & II, ASTM E – 18 for Rockwell test and IS : 2281 : 1983, BS : 240, ASTM – E10 for Brinell test and IS : 1586 : 2000, ASTM – E18 for Rockwell superficial test.

DIGITAL ROCKWELL HARDNESS TESTING MACHINES are available in various models like

- VRS-D-M : Automatic weight selection by thumb wheel.
- VSM-D-M : Rockwell cum Rockwell superficial combined model with automatic weight selection.
- VRB-D-M : Rockwell cum Brinell (2.5 mm. ball/187.5 kg. load) combined model. Brinell indentation is to be checked with microscope.
- VRB-250-D-M : Rockwell cum Brinell (187.5 and 250 kg. loads) combined model. Brinell indentation is to be checked with microscope.

Salient Features :

- Motorised system for application and removal of major load.
- Minor load setting by LED bar graph.
- Keyboard entry for scale selection.
- Hi-Low-OK Indication for hardness value.
- Easy to read, large size extra bright 7 segment display.
- Centronics parallel port for connection Dot Matrix Printer.
- Manual operation available in case of motor failure.
- Sufficient error codes for smooth functioning of machines.
- Three modes of operation of machine
Viz. Motorised Automatic Mode, Motorised Mode, Manual Mode.
- Serial Interface (Optical)
- Indenter is guided in linear bearing facilitates to test small jobs.

TECHNICAL SPECIFICATION :

1. Scales Displayed Rockwell A, B, C, D, E, F, G, H, K, L,M, P, R, S, V, in Nos. 1 to 15 resp.
2. Load : Minor 10 kgf. Major 60, 100,150 kgf.
3. Minor Load Setting: Automatic by LED bar graph indicator.
4. Load Control : Automatic (Loading-dwell-Unloading.)
5. Dwell time : 1 to 99 seconds.
6. Maximum test : Height x throat : **265 x 148 mm.**
7. Printer Interface : Parallel (Centronix) Port of Dot(Optional) Matrix Printer.
8. Power supply 220V AC 50 Hz.