

Rockwell Hardness Testing Machines

- 1. Name of product:** Rockwell Hardness Testing Machines
- 2. Model:** HR-110MR / 210MR / 320MS / 430MR / 430MS
- 3. Brand:** Mitutoyo



FEATURES

- The newly designed frame provides maximum clearance for positioning the workpiece. A flat table is all that is needed for mounting these testing machines.
- Simple to operate
With analogue type (HR-110MR, HR-210MR), the gauge presetting operation is unnecessary by the adoption of an automatic presetting dial gauge.
- HR-110MR does not require a power source, and is considered to be environmental friendly.
- The digital type (HR-430MR and HR-430MS), with the adoption of the automatic steering wheel brake & the automatic load sequence, with only simple handling test possibility.
- The digital type (HR-320MS, HR-430MR and HR-430MS) has digimatic output and our Digimatic Mini-Processor (DP-1VR) to print and input tools (USB-ITN-E) to connect to a PC and use for data transfer
- Brinell hardness tests can be performed by using the following optional accessories: a Brinell indenter, a weight set and a measurement microscope.



4. Specification:

Model No.	HR-110MR	HR-210MR	HR-320MR	HR-430MR	HR-430MS
Order No.	963-210	963-220	963-231	963-240	963-241
Type of hardness test	Rockwell				
	-	-	Rockwell superficial	-	Rockwell superficial
Standard	JIS B 7726 ISO6508-2 (ASTM E18)				
Display	Analog		Digital		
Minimum reading	0.5HR graduation		0.1HR graduation		
Perliminary test force	Automatic pre-setting dial gauge		Loading navigator indicator	Automatic steering wheel brake	
Perliminary test force setting	-	-	Dial switching	-	Dial switching
Total test force setting	Weight change			Dial switching	
Total test force control	Manual	Motor drive – Button start		Motor drive – Automatic start	
Total force duration	Manual	Fixel 3-5.5s or manual		3-60s setting or manual operation	
Maximum specimen height	180mm (100mm if cover is attached)				
Maximum specimen depth	165mm (from indenter axis to the frame)				
Funtion	-	-	Success or failure decision function		
	-	-	Offset revision functon		
	-	-	Hardness conversion function		
Data output	Digimatic (SPC), RS-232C				
Power supply	No power required	AC100-240V, 1.2A			
Dimensions (WxDxH)	296x512x780mm	235x512x780mm	235x516x780mm		
Mass	49kg	47kg	47kg	50kg	