

Hardness Testing Machines

MeasurLink[®] ENABLED
Data Management Software by Mitutoyo



HR-530 SERIES 810 — Rockwell Hardness Testing Machines

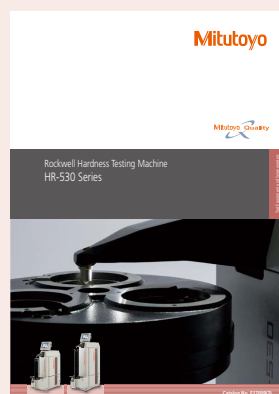
• Unique electronic control makes the **HR-530** Series of hardness testers extremely versatile by enabling Brinell hardness testing* as well as load-sequence hardness testing of plastics, plus Rockwell and Rockwell Superficial hardness testing.

* For Brinell hardness testing, an indenter (optional) and a measurement microscope are required.



HR-530L

- This series can test the hardness of the inside wall of a ring, a test that is only possible using ordinary hardness testers by cutting the ring into pieces. (All models)
- The touch-panel display unit can be mounted on top of the tester, providing significant convenience if the machine installation space is restricted. (All models) Use the optional display mounting bracket to mount the unit.
- This series allows numeric display of statistical analysis results such as maximum and minimum values, mean value and graphic display of X-R control charts and histograms required for hardness evaluation.



Refer to the **HR-530** Series Brochure (**E17009**) for more details.

SPECIFICATIONS

Model	HR-530			HR-530L			
Display unit	metric	inch/mm		metric	inch/mm		
Applicable standards	JIS B7726, ISO 6508-2, ASTM E18-20						
Testable hardness	Rockwell hardness/Rockwell Superficial hardness/Brinell hardness/Indentation Brinell hardness/Plastics hardness						
Initial test force	N (kgf)	29.42 (3)	98.07 (10)				
Test force	Rockwell	588.4 (60)	980.7 (100)	1471 (150)			
	Rockwell Superficial	147.1 (15)	294.2 (30)	441.3 (45)			
N (kgf)	Brinell	61.29 (6.25)	98.07 (10)	153.2 (15.625)	245.2 (25)	294.2 (30)	
		306.5 (31.25)	612.9 (62.5)	980.7 (100)	1226 (125)	1839 (187.5)	
Power supply	AC100 to 240 V 50/60 kHz						
External dimensions	Main unit	250 (W)×667 (D)×621 (H) mm			300 (W)×667 (D)×766 (H) mm		
	Touch-panel display unit	191 (W)×147 (D)×71 (H) mm					
Mass	Main unit: 61 kg			Main unit: 70 kg			

Note 1: Plastic tests may not be supported depending on the plastic material.

Note 2: For Brinell hardness testing, an indenter (optional) and a measurement microscope are required. A measurement microscope should be prepared by customer.

Note 3: No indenter and hardness standard block is supplied with the unit. These items (conform to the applicable standard) must be purchased separately.