Hardness Testing Machines

Start quality control from the material — Mitutoyo's hardness testing machines can handle it

MeasurLink® ENABLED
Data Management Software by Mitutoyo

Products equipped with the measurement data output function can be connected to the measurement data network system MeasurLink® (refer to page A-25 for details).

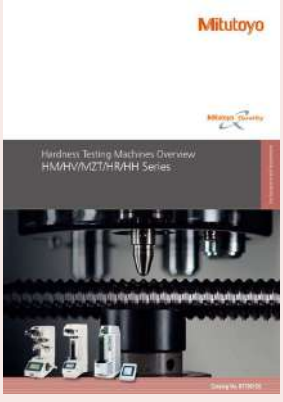
An inspection certificate is supplied as standard. Refer to page U-9 for details.

HARDMATIC HH-411
SERIES 810 — Rebound Type Portable Hardness Tester

- Excellent operability that performs hardness tests with the touch of a key and a compact body allows users to measure hardness in the field. This instrument is best suited for on-site hardness tests such as large molds, railroad track, and welded spots in structures.

SPECIFICATIONS

Order No.	810-299-10	810-299-11	810-298-10	810-298-11
Model	HH-411			
Hardness display range	1 to 999 HL			
Display range (This display range varies depending on the conversion table used.)	Vickers hardness: 43 to 950 HV Brinell hardness: 20 to 896 HB Rockwell hardness (C scale): 19.3 to 68.2 HRC Rockwell hardness (B scale): 13.5 to 101.7 HRB		Shore hardness: 30.1 to 99.5 HS Tensile strength: 499 to 1999 MPa	
Shore hardness(HS) conversion	VHS (JIS B 7731)		HSD (ASTM E140)	
Detector	Impact hammer with integrated detector and carbide-ball tip (D type)			
Display unit	7-segment LCD			
Specimen requirements	Test points: At least 5 mm from specimen edges and at intervals of at least 3 mm Min. thickness: 5 mm; mass: 5 kg or more (However, specimens with a mass between 0.1 and 5 kg can be tested if fixed to a strong support.)			
Power supply	Alkaline AA battery 2 pcs. (battery life: 70 hours) or optional AC adapter	Optional AC adapter	Alkaline AA battery 2 pcs. (battery life: 70 hours) or optional AC adapter	Optional AC adapter
External dimensions/Mass	Detector: ø28×175 mm in length, 120 g Display (W×D×H): 70×110×35 mm, 200 g			



Refer to the Hardness Testing Machines Brochure (**E17001**) for more details.

Mitutoyo reserves the right to change any or all aspects of any product specification, including prices, designs and service content, without notice.