

Digital and Analogue Durometers HARDMATIC

HH-300

Series 811

Long-leg models

- Digital/Dial Durometers are suitable for testing the hardness of the following materials : natural rubber, neoprene, polyesters, PVC, leather, Thiokol, nitrite rubber, wax, vinyl, cellulose acetates, glass polystyrene, etc.
- Shore hardness "A" and "D".



811-332



811-331

Long-leg

Model	HH-331	HH-332	HH-333	HH-334
No.	811-331	811-332	811-333	811-334
Type	Dial	Digital	Dial	Digital
Scale	0-100 Shore A	0-100 Shore A	0-100 Shore D	0-100 Shore D
Range	10-90 Shore A	10-90 Shore A	20-90 Shore D	20-90 Shore D
Spring force (mN)	550 + 75 H (Hardness reading : 10-90)	550 + 75 H (Hardness reading : 10-90)	444.5 H (Hardness reading : 20-90)	444.5 H (hardness reading : 20-90)
Tip form	Cut cone	Cut cone	Cone	Cone
Tip angle	35° (±0.25°)	35° (±0.25°)	35° (±0.25°)	35° (±0.25°)
Tip radius	-	-	0.1 (±0.012 mm)	0.1 (±0.01 mm)
Tip diameter	ø0.79 mm (±0.01 mm)	ø0.79 mm (±0.01 mm)	-	-
Power supply	-	SR44 Battery	-	SR44 Battery
Dimensions (W x D x H)	56 x 33.5 x 144 mm	60 x 28.5 x 193 mm	56 x 33.5 x 186 mm	60 x 28.5 x 193 mm
Mass	320 g	310 g	320 g	310 g



64AAA964

Specifications

Standards	ASTM D 2240 ; ISO 868 ; ISO 7619 ; DIN 83 505 ; JIS K 6253 ; JIS K 7215
Indenter diameter	ø1,25 (±0,15 mm)
Pressure foot	ø18 mm
Resolution	Dial models : 1° Digital models : 0.5°
Indenter protrusion	2,5 mm
Functions	Digital models : Data hold, Zero-setting, SPC output, ON/OFF Dial models : Maximum reading hand

Optional accessories

No.	Description
Auxiliary weights	
811-017	Auxiliary weights (Shore A)
811-018	Auxiliary weights (Shore D)
Computer accessories	
264-504-5D	Digimatic Mini-Processor
264-504-5E	Digimatic Mini-Processor
905693	Digimatic cable (1m)
905694	Digimatic cable (2 m)
Hardness testing block sets	
64AAA590	Test block set (rubber) Hardness 20, 40, 80 Shore D
64AAA964	Test block set (rubber) Hardness 30, 60, 90 Shore A
Measuring stands	
811-012	Measuring stand for 811-333 / 811-334
811-019	Measuring stand for 811-331 / 811-332
19BAA180	Chuckbar



Measuring stand

- Workstage dimension : ø90 mm
- Max. specimen height : 90 mm