

**HARDMATIC HH-300**  
**SERIES 811 — Durometers for Sponge, Rubber, and Plastics**

Compact type



811-329-10 HH-329  
811-335-10 HH-335  
811-337-10 HH-337

811-330-10 HH-330  
811-336-10 HH-336  
811-338-10 HH-338

Long type



811-331-10 HH-331  
811-333-10 HH-333

811-332-10 HH-332  
811-334-10 HH-334

- Hardness measurement by durometer is simply performed by holding the instrument against the surface of a specimen and reading the indicated value. This type of hardness tester is most widely used for hardness testing of sponge, rubber, plastics and other soft materials.

**SPECIFICATIONS**

Order No.	811-329-10	811-330-10	811-331-10	811-332-10	811-333-10	811-334-10	
Model No.	HH-329	HH-330	HH-331	HH-332	HH-333	HH-334	
Type	Compact			Long			
Display specification	Analog	Digital		Analog	Digital	Analog	
Measurement target	Soft rubber, sponge, felt, hard film, winder			General rubber, soft plastic		Hard rubber, hard plastic, ebonite	
Category in standards	Type E			Type A		Type D	
Needle shape	Shaft diameter	ø5 mm		ø1.25 mm			
	Tip shape	Semi-sphere			Circular truncated cone		Cone
	Tip angle	—			35°		30°
	Tip diameter	—			ø0.79 mm		—
	Tip curvature	—			—		0.1 mm
Power supply	—	Button silver oxide battery SR44		—	Button silver oxide battery SR44	—	
External dimensions (WxDxH)	68x34x146 mm	59x40x147 mm		Analog long: 68x35x188 mm Digital long : 59x41x190 mm			
Mass	300 g	290 g		320 g	310 g	320 g	

Order No.	811-335-10	811-335-11	811-336-10	811-336-11	811-337-10	811-337-11	811-338-10	811-338-11	
Model No.	HH-335	HH-335-01	HH-336	HH-336-01	HH-337	HH-337-01	HH-338	HH-338-01	
Type	Compact								
Display specification	Analog			Digital		Analog		Digital	
Measurement target	General rubber, soft plastic				Hard rubber, hard plastic, ebonite				
Category in standards	Type A				Type D				
Needle shape	Shaft diameter	ø1.25 mm							
	Tip shape	Circular truncated cone				Cone			
	Tip angle	35°				30°			
	Tip diameter	ø0.79 mm				—			
	Tip curvature	—				0.1 mm			
Power supply	—	Button silver oxide battery SR44			—	Button silver oxide battery SR44			
External dimensions (WxDxH)	Analog compact: 68x34x146 mm Digital compact : 59x40x147 mm								
Mass	300 g	290 g			300 g		290 g		

**Optional Accessories for Dual-purpose Stand CTS Series**

Order No.	811-019	811-012	811-013
Model	CTS-101	CTS-102	CTS-103
Applicable models	HH-331/332	HH-333/334/337/338/337-01/338-01	HH-335/336/335-01/336-01