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SERIES HD-1100

DUROMETER

Outline

This spring type handy durometer, designed for measuring the hardness of various kinds of materials such as rubber and plastics, is designed to be used by a hand.

This is applicable for JIS K 6253(Rubber, vulcanized or thermoplastic—Determination of hardness—), JIS K 7215(Testing Methods for Durometer Hardness of Plastics), ISO 7619, ASTM D2240.

Read out errors are minimized by adoption of the stop needle system and variable limiters.

Since there are very few errors at the time of measurement, it is suitable for the quality control.



MODEL HD-1100



株式会社 上島製作所

UESHIMA SEISAKUSHO CO., LTD

Feature

- OYou can select model. No. , according to hardness of materials , such as Type-A for soft , Type-D for hard.
- OThe wide angle dial plate, scaled to 100 over an angle of 360, enables easy readout of measurement.
- ORead out errors are minimized by adoption of the stop needle system.
- OProduction inspection time is shortened substantially by adoption of variable limiters.

Specification

MODEL	HD-1110	HD-1120
	(Type-A, for soft material)	(Type-D, for hard material)
Applicable Standard	JIS K6253, ISO7619(Rubber), JIS K 7215, ISO868(Plastic), ASTM D 2240	
Stroke	2.5±0.02mm	
Spring force	550~8050mN(56.1~821.1gf)	0~44450mN(0~4533gf)
Needle diameter	1.25±0.15mm	
Form of the needle point	35° Truncated cone with a diameter of 0.79mm	30° Cone shaped with R0.1mm
Measurement operation	Push against a sample perpendicularly in principle	
Durometer dimensions	60(W)×25(D)×108(H)mm	
Durometer weight	200g	
Case dimensions	153(W)×48(D)×126(H)mm	
Case weight	233g	

Ref. Calibration will be done only to JIS K 6253.

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<Manufacturer>

Ueshima

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※Please be noted that the contents in this brochure may change without prior notice due to improvement of the equipment. 027-468225-5