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SERIES HD-1100

DUROMETER

Outline

This spring-type handy durometer series is intended for hand use and measures the hardness of various materials, such as rubber and plastics.

It refers to JIS K 6253 (Rubber, vulcanized or thermoplastic - Determination of hardness -), JIS K 7215 (Testing Methods for Durometer Hardness of Plastics), ISO 7619, and ASTM D2240.

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

This durometer is also ideal for quality control with low measurement error.



MODEL HD-1100



QMS.EMS
JIS Q 9001, JSAQ1320
JIS Q 14001, JSAE1529



MS
CM001

株式会社 上島製作所

UESHIMA SEISAKUSHO CO., LTD

Feature

- An optimal model can be selected according to the material hardness, such as Type-A for soft and Type-D for hard.
- The wide-angle dial plate, scaled to 100 over the angle of 360 degrees, enables easy measurement.
- The stop needle minimizes read-out errors.
- The variable limiter enables the measurement of samples in a short time, thus reducing the time required for product inspections, etc.

Specification

MODEL	HD-1110	HD-1120
	(Type-A, for soft material)	(Type-D, for hard material)
Reference 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. 027-468225-7