

AD-300 Precision Shore Durometer



The AD-300 analogue durometer is ideal for a wide range of shore hardness measuring applications and features an 18mm foot that offers high stability.

With superb build quality, this durometer fully meets the requirements of : -

ISO 868 (A, D), ISO 7619-1 (A, AO, D), and ASTM D 2240 (A, D, C, O).

The internal friction, that is common in most durometers, is reduced to an absolute minimum. Together with the ergonomic enlarged foot this enables you to take highly accurate repetitive measurements.

Four models are available including; Shore A, Shore D, Shore C, and Shore O.

The hardness readings are displayed on an easy-to-read analogue scale

calibrated in 0 to 100 Shore units. An **optional memory pointer** holds the reading until manually reset, allowing operator to concentrate on the measurement task.












All AD-300 models are supplied in a foam-lined protective carrying case along with a manufacturers **certificate**.

Specifications

Measuring Range	0 - 100 units
Accuracy*	± 0.5 durometer unit
Dial Size	57 mm Diameter
Weight	184 grams
Warranty	1 year
Standards:	ISO 868 (A, D) ISO 7619-1 (A, AO, D) ASTM D 2240 (A, D, C, O)

Conformance to International Standards				
Model	ASTM D2240	DIN 53505	ISO 868	ISO 7619
AD-300-A	X	X	X	X
AD-300-C	X			
AD-300-D	X	X	X	X
AD-300-O	X			

REFERENCE GUIDE

DUROMETER TYPES	APPLICATIONS	INDENTOR SHAPE	MAIN SPRING
TYPE A (ASTM D2240)	Soft rubber, plastics, and elastomers, printer's rolls.	Flat Cone Point 35° Included Angle 	822 GM 1.81 LB.
TYPE D (ASTM D2240)	Hard rubber and plastics such as thermo plastics, flooring and bowling balls.	Sharp Cone Point 30° Included Angle 	4536 GM 10.0 LB.
TYPE B (ASTM D2240)	Harder elastomers and plastics. Paper and fibrous materials, Use above 93 Duro A.	Sharp Cone Point 30° Included Angle 	822 GM 1.81 LB
TYPE C (ASTM D2240)	Medium hard elastomers and plastics. Also useful to avoid surface marks.	Flat Cone Point 35° Included Angle 	4536 GM 10.0 LB
TYPE DO (ASTM D2240)	Dense granular material, textile windings.	3/32" Spherical 	4536 GM 10.0 LB
TYPE O (ASTM D2240)	Very soft elastomers, textile windings, soft granular materials. Use below 20 Duro A.	3/32" Spherical 	822 GM 1.81 LB
TYPE OO (ASTM D2240)	Light foams, sponge rubber gels, animal tissue.	3/32" Spherical 	113 GM
TYPE OOO (ASTM D2240)	Ultra soft gels and sponge rubber.	1/2" Spherical 	113 GM
TYPE M (ASTM D2240)	Materials as thin as .050"	Sharp Cone Point 30° Included Angle 	
TYPE RR (NOT ASTM)	Drywall, fiberboard, artificial brick	1/2" 	1410 GM
TYPE CF (NOT ASTM)	Foam padding	1/2" 	20 lbs.