

## AD-100 Precision Shore Durometer



The AD-100 analogue durometer is the genesis of years of experience offering high quality durometers to discriminating users. Featuring an 18mm foot that offers high stability, the AD-100 is the ideal durometer for a wide range of shore hardness measuring applications.

Seven models are available, each calibrated for a different Shore scale including; Shore A, Shore B, Shore C, Shore D, Shore DO, Shore O and Shore OO.

The AD-100 displays hardness readings 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-100 models are supplied in a foam-fitted protective carrying case along with NIST traceable calibration certificate.












### Specifications

<b>Measuring Range</b>	0 - 100 units
<b>Accuracy*</b>	±1 durometer unit (A,B,C,D,O,DO) ±2 durometer units (OO)
<b>Dial Size</b>	50 mm Diameter
<b>Dimensions</b>	128 x 57 x30 mm
<b>Weight</b>	200 grams (7 ounces)
<b>Warranty</b>	1 year
<b>* Note</b>	per ASTM D 2240-05, Sect 9.3: It is accepted that durometer readings below 20 or above 90 are not considered reliable. It is suggested that readings in these ranges be omitted.

### Conformance to International Standards

Model	ASTM D2240	DIN 53505	ISO 868	ISO 7619
AD-100-A	X	X	X	X
AD-100-B	X			
AD-100-C	X			
AD-100-D	X	X	X	X
AD-100-DO	X			
AD-100-O	X			
AD-100-OO	X			

## REFERENCE GUIDE

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