

# Shore Hardness Gauge Series

## Product Description

AMITTARI Shore Hardness Tester AS-120 Series including type(A, B, C, D, E, O, DO, OO), Model complete, with different probe size, Use for different measured objects and Hardness value, to meet different request for kinds of material hardness measure.

## AMITTARI AS-120 Series Feature

- Integrated design, small volume, light weight, simple structure, easy to use, Intuitive readings and automatic shutdown function.
- With low battery alarm indicator & average value calculation function.
- With metric and imperial conversion.
- Auto switch off and manual shutdown.
- Provide "Bluetooth™ data output" choice.



### Optional Model:

AS-120A, AS-120B  
AS-120C, AS-120D  
AS-120E, AS-120O  
AS-120DO, AS-120OO

## Product Model Information

Model	Indenter	Typical Examples Of Materials Tested	Hardness Values
A	0.79 Truncated (frustum) cone	Soft vulcanized rubber, natural rubber, nitriles, thermoplastic elastomers, flexible polyacrylics and thermosets, wax, felt, and leathers.	20~90A
B	R0.1Cone	Moderately hard rubber, thermoplastic elastomers, paper products, and fibrous materials.	Above 90 A Below 20 D
C	0.79 Truncated (frustum) cone	Medium-hard rubber, thermoplastic elastomers, medium-hard plastics and thermoplastics.	Above 90 B Below 20 D
D	R0.1Cone	Hard Rubber, thermoplastic elastomers, harder plastics, and rigid thermoplastics.	Above 90 A
DO	R1.2 Spherical radius	Moderately hard rubber, thermoplastic elastomers, and very dense textile windings.	Above 90 C Below 20 D
E	R2.5 Spherical radius	Hard sponge, EVA	Above 90 DO Below 20 A
O	R1.2 Spherical radius	Soft rubber, thermoplastic elastomers, very soft plastics and thermoplastics, medium-density textile windings.	Below 20 DO
OO	R1.2 Spherical radius	Extremely soft rubber, thermoplastic elastomers, sponge, extremely soft plastics and thermoplastics, foams, low-density textile windings.	Below 20 O

## Product Durometer Selection

Soft	Middle	Hard
	Type A (20-90A)	
	Type B (Above 90A Below 20D)	
	Type C (Above 90B Below 20D)	
	Type D (Above 90A)	
	Type DO (Above 90C Below 20D)	
	Type O (Below 20DO)	
	Type E (Above 90DO Below 20A)	
	Type OO (Below 20O)	

## Product Parameter

Display	LCD Display
Case	High impact ABS
Resolution	0.1
Range	0~100
Accuracy	≤ ±1
Operating temperature	0°C~50°C
Power Supply	2x1.5vAAA (UM-4)Battery
Size	170x63x24 mm
Weight	310 g (Not included Batteries)

## Product Accessories

Standard Accessories	Host
	Test block
	Carrying Case
	Operation Manual
Optional Accessories	USB Data Output
	RS-232 Data Output
	Bluetooth Data Output
	Shore Hardness Tester Test Rack