

Digital Shore Durometer

SI-200 Series



SI-200A(842-312)



SI-200C(842-332)



SI-200D(842-342)

+ Applications

- SHORE A DUROMETER: It is designed for testing the hardness of soft rubber, printer roller and other elastomer material.
- SHORE D DUROMETER: It is designed for testing the hardness of hard rubber, such as thermoplastic plastics, bowling plastic floor and so on.
- SHORE C DUROMETER: It is designed for measuring Foam, Sponge, Shoes with incorporates material. etc.



+ Specifications

Product Name	Digital Shore Durometer		
Model	SI-200A	SI-200C	SI-200D
Code#	842-312	842-332	842-342
Measuring Range	0-100HA	0-100HC	0-100HD
Available Measuring Range	10-90HA	10-90HC	10-90HD
Resolution	0.1HA	0.1HC	0.1HD
Indenter Shape	Flat cone point(0.79mm)35°Included Angle	2.5mm Spherical	Sharp cone point (SR0.1mm) 30°Included Angle
Power Supply	Runs on by one 1.5V cell battery	Runs on by one 1.5V cell battery	Runs on by one 1.5V cell battery

+ Matters Needing Attention

- Thickness of specimen > 6mm, no more than 3 layers; Test area > feet area (diameter 18mm)
- Test 3 times and calculate the average as test result.
- Usually, use A/D. When the hardness of A > 90, use D.

Analogue Shore Durometer

LX Series



LX-AT (#842-215)



LX-CT (#842-225)



LX-DT (#842-235)

+ Applications

- Shore durometer are designed to determine the indentation hardness of material ranging from cellular products from to rigid plastics.
- LX-AT Shore Durometer, designed for testing the hardness of vulcanized rubber and plastic products, has simple structure, easy operation and reading, facility and high resolution. It complies with the standard of GB/T531-1999 and other relevant standard.
- LX-CT Shore Durometer, designed for testing the hardness of foam, sponge, shoe micropore material, etc. It is in accordance with HG/T2489-93.
- LX-DT Shore Durometer is designed for testing the hardness of hard rubber, resin, glass, printed board, fiber and so on. It is in accordance with GB/T531-1999.
- The Durometer test stand is R&D for Shore A, C, and D Durometer. The test stand construction includes operating handle, adjusted glass stage, die poise, clip beam of durometer and carrick column. The shore hardness testing will be more accurate with the stand.

+ Specifications

Product Name	Twin-index Analogue Shore Durometer		
Model	LX-AT	LX-CT	LX-DT
Code#	842-215	842-225	842-235
Measuring Range	0-100 HA	0-100 HW	0-100 HD
Available Measuring Range	10-90 HA	10-90 HW	10-90 HD
Resolution	2.5mm	2.5mm	0~2.5mm
Tip Dimension	0.79mm	SR2.5mm	SR0.1mm
Dimension (LxWxH)	115x60x25mm	115x60x25mm	115x60x25mm
Net Weight	100g	100g	100g
Execution Standard	GB/T 531, DIN53505, ASTM D2240, ISO7619, JISK7215		

+ Shore Durometer and Test Stand

Product Name	Testing Stand		
Model	LX-AS	LX-CS	LX-DS
Code#	842-515	842-525	842-535
Dimension(LxWxH)	116x161x340mm	116x161x340mm	116x161x340mm
Weight of Stand	5.5kg	5.5kg	7.0kg



LX-DS (#842-535)

Digital Shore Durometer **SI-100** Series



+ Introduction

Shore Hardness Tester SI-100 Series include (A, B, C, D, E, O, DO, OO) type, model complete, with different probe size, use for different measured objects and hardness value, to meet different request for kinds of material hardness measurement. Shore hardness tester are widely used in rubber plastic hardness measurement has and the features of simple structure easy to use type of light weight small reading intuitive etc can carry hand held measurement also can device in supporting the production of the constant load shelf fixed load measurement.

+ Features

- Public and imperial units converted, with the average computing power.
- Integrated design, small volume, light weight, simple structure, easy to use, intuitive readings and automatic shutdown function.
- Use USB data output and RS-232 data output with connection PC.
- Brovid "Bluetooth" data output choice.

+ Specifications

Product Name	SI-100
Display	LCD Display
Measuring Range	10~90 HA/HD(B/C/E/O/DO/OO)
Statistics	Avertshr value, min-max
Resolution	0.1H
Accuracy	≤1H
Operating temperature	0~40°C
Power Supply	2x1.5v AAA (UM-4) battery
Dimension	176x63x25mm
Weight	310g
Execution Standard	DIN53505, ASTM D2240, ISO 7689, JIS K7215

Model	Code#	Model	Code#
SI-100A	842-311	SI-100B	842-321
SI-100C	842-331	SI-100D	842-341
SI-100DO	842-351	SI-100O	842-361
SI-100E	842-371	SI-100OO	842-381

Durometer Selection :

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

SI-100 Series Model Information :

Model	Code#	Indenter	Typical Examples Of Materials Tested	Haardness Valus
SI-100A	842-311	0.79 Truncated (Frustum) cone	Soft vulcanized rubber, natural rubber natriles, thermoplastic elastomers, flexible polyacrylics and thermosets, wax, felt, and leathers.	20~90A
SI-100B	842-321	R0.1 Cone	Moderately hard rubber, thermoplastic elastomers, paper products, and fibrous materials.	Above 90 A/ Below 20 D
SI-100C	842-331	0.79 Truncated (Frustum) cone	Medium-hard rubber, thermoplastic elastomers, medium-hard plastics and thermoplastics.	Above 90 B/Below 20 D
SI-100D	842-341	R0.1 Cone	Medium-hard rubber, thermoplastic elastomers, medium-hard plastics and thermoplastics.	Above 90 A
SI-100DO	842-351	R1.2 Spherical radius	Moderately hard rubber, thermoplastic elastomers, and very dense textile windings.	Above 90 C/Below 20 D
SI-100O	842-361	R1.2 Spherical radius	Soft rubber, thermoplastic elastomers, very soft plastics and thermoplastics, medium-density textile windings.	Above 20 DO
SI-100E	842-371	R2.5 Spherical radius	Hrad sponge, EVA	Above 90 DO/Below 20 A
SI-100OO	842-381	R1.2 Spherical radius	Extremely soft rubber, thermoplastic elastomers, sponge, extremely soft plastics and thermoplastics, foams, low-density textile windings	Below 20 O