

# Hoyamo

## Digital Shore Durometer

### SI-100 Series



#### 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;
- Provide "Bluetooth" data output choice.

#### Specifications:

Model	SI-100
Display	LCD Display
Range	10~90 HA/HD(B/C/E/O/DO/OO)
Statistics	Average value, min-max
Resolution	1um(0.1mils)
Accuracy	±1H
Operating temperature	0~40°C
Power Supply	2x1.5v AAA (UM-4)battery
Dimension	176x63x25 mm
Weight	310g
Execution Standard	GB/T 531, DIN53505, ASTM D2240, ISO7619, JISK7215

Hoyamo Precision Instrument Limited

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## SI-100 Series Model Information:

Model	Order#	Indenter	Typical Examples Of Materials Tested	Hardness Valus
SI-100A	842311	0.79 Truncated (Frustum) cone	Soft vulcanized rubber, natural rubber nitriles, thermoplastic elastomers, flexible polyacrylics and thermosets, wax, felt, and leathers.	20~90A
SI-100B	842321	R0.1 Cone	Moderately hard rubber, thermoplastic elastomers, paper products, and fibrous materials.	Above 90A Below 20D
SI-100C	842331	0.79 Truncated (Frustum) cone	Medium-hard rubber, thermoplastic elastomers, medium-hard plastics and thermoplastics.	Above 90B Below 20D
SI-100D	842341	R0.1 Cone	Hard Rubber, thermoplastic elastomers, harder plastics, and rigid thermoplastics.	Above 90A
SI-100DO	842351	R1.2 Spherical radius	Moderately hard rubber, thermoplastic elastomers, and very dense textile windings.	Above 90C below 20D
SI-100O	842361	R1.2 Spherical radius	Soft rubber, thermoplastic elastomers, very soft plastics and thermoplastics, medium-density textile windings.	Below 20DO
SI-100E	842-371	R2.5 Spherical radius	Hrad sponge, EVA	Above 90DO Below 20A
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 20O

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### SI-200 series



#### Features:

- 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
Test Range	0-100HA	0-100HC	0-100HD
Available Test 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 Ang
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

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## Single-index Analogue Shore Durometer



### Applications:

- Shore durometer is designed to determine the indentation hardness of material ranging from cellular products from to rigid plastics;
- LX-A/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-C/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-D/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	Single-index Analogue Shore Durometer		
Model	LX-AT	LX-CT	LX-DT
Code#	842-215	842-225	842-235
Test Range	0-100 HA	0-100 HW	0-100 HD
Available Test Range	10-90 HA	10-90 HW	10-90 HD
Stroke	2.5 mm	2.5 mm	0~2.5 mm
Tip Dimension	0.79mm	SR2.5mm	SR0.1mm

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Dimension (LxWxH)	115x60x25mm	115x60x25mm	115x60x25mm
Net Weight	100g	100g	100g
Execution Standard	GB/T 531, DIN53505, ASTM D2240, ISO7619, JISK7215		

## LX Series 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)	116 x161x340mm	116 x161x340mm	116 x161x340mm
Net Weight	100g	100g	100g
Weight of Stand	5.5kg	5.5kg	7.0kg

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