TECHNICAL DATA SHEET

Polytevo Series Shore Durometer

Pointer-type Shore A and Shore D durometers with constant-load test stand · 0–100 dial · rubber and plastics hardness



Polytevo Series Shore Durometer (ACS-LX-A and ACS-LX-D) — representative configuration

The Polytevo Series Shore Durometer (ACS-LX-A Shore A, ACS-LX-D Shore D) is a pointer-type durometer with a constant-load test stand. Image shown for reference; final configuration is confirmed in the quotation.

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SECTION I

Product Overview

Polytevo Series Shore Durometer (ACS-LX-A Shore A and ACS-LX-D Shore D) are pointer-type Shore durometers with a constant-load test stand, for testing the hardness of vulcanized rubber and plastic products on a 0–100 HA or 0–100 HD dial.

The ACS-LX-A (Shore A) suits soft rubber, synthetic rubber and leather wax; the ACS-LX-D (Shore D) suits hard rubber, hard resin, acrylic, thermoplastics and fiber. The durometer head is installed on the test stand for easy and accurate measurement, and can be removed to measure at the production site.

SECTION II

Core Advantages

— **Shore A and Shore D** ACS-LX-A for softer materials (0–100 HA) and ACS-LX-D for harder materials (0–100 HD).

— **Removable for site use** The durometer can be removed from the stand to measure at the production site.

— **Defined indenter force** ACS-LX-A: 0.55–8.06 N; ACS-LX-D: 0–44.5 N.

— **Constant-load test stand** The durometer head is installed on a bench-type test stand for easy and accurate measurement in the laboratory.

— **Pointer dial** Pointer-type dial with a 0–100 scale; the measuring range is 10–90 on the dial.

— **Test method reference** Designed with reference to ISO 7619 for Shore hardness testing.

SECTION III

Specifications

Technical data — ACS-LX-A and ACS-LX-D

Specifications	
Parameter	**Specification**
Brand	Polytevo Series by ACS Material
Product Name	Polytevo Series Shore Durometer
Models	ACS-LX-A (Shore A) / ACS-LX-D (Shore D)
SKU #	ERP7SDA / ERP7SDD
Product type	Pointer-type Shore durometer with test stand
Usage	Hardness of vulcanized rubber and plastic products
Test method reference	ISO 7619
Probe stroke	2.5 mm

Model comparison — ACS-LX-A / ACS-LX-D

Model comparison		
Parameter	**ACS-LX-A (Shore A)**	**ACS-LX-D (Shore D)**
SKU #	ERP7SDA	ERP7SDD
Indenter force	0.55–8.06 N	0–44.5 N
Dial scale	0–100 HA	0–100 HD
Measuring range	10–90 HA	10–90 HD
Probe diameter	Ø0.79 mm	Ø0.1 mm
Probe stroke	2.5 mm	2.5 mm
Suitable for	Soft rubber, synthetic rubber, leather wax, etc.	Hard rubber, hard resin, acrylic, thermoplastics, fiber, etc.
Dimensions	170 × 140 × 260 mm	170 × 140 × 310 mm
Gross / net weight	16 kg / 10 kg	18 kg / 12 kg

Scope of delivery

— **Standard configuration:** the pointer durometer (Shore A or Shore D) with its matching test stand.

— **Scope of supply** — final accessories and scope of supply are confirmed in the quotation.

SECTION IV

Applications

For testing the hardness of vulcanized rubber and plastic products with Shore A and Shore D durometers.

Product value: Shore A and Shore D pointer durometers with a bench-type test stand that can also be used on site.

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