Classic Analogue Shore Durometer with Test Stand Options

Standards: DIN ISO 7619, DIN EN ISO 868, ASTM D2240, BS 903 Part. A 26, NF T 51-174

- ULTIMATE USER-FRIENDLINESS
- LEADING DEPENDABILITY AND RELIABILITY
- STRICT COMPLIANCE WITH INDUSTRY STANDARDS
- STOCKED CONSUMABLES AND SPARES
- TRUSTED AFTER SALES TECHNICAL SUPPORT
- LIFETIME PRODUCT SUPPORT ADVANTAGE

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Description

This Germany manufactured system has been the global landmark of Shore hardness testing systems since 1954. With ever enhanced ergonomic design, the HP Shore Hardness Tester is both visually appealing and precise rubber and plastic testing system as it has been for nearly 50 years. The HP system is world renowned best seller hardness tester with over 100,000 units sold to satisfied clients globally. It is considered the worlds highest and most used portable shore hardness tester.

The system is designed to provide a combination of light weight and extraordinary durability for a compact shore testing machine. The systems are carefully assembled, quality control tested and certified by the German manufacturer, Bareiss. The system is designed so that the friction caused by travelling is avoided by the use of various size bearing balls which contribute to a perfect smooth travel for the indenter. This German manufactured system has the versatility of testing various Shore and non-Shore scales. Additionally, it can be combined with a manual or an automatic test stand options for an even more precise and repeatable testing results.

Test Methods

Shore A, A0/E, B, 0, C, D, D0, 00, 000, Bareiss Variant C (Asker C)

Watch Video

Watch the Classic Analogue Shore Durometer with Test Stand Options product video.

WATCH ON YOUTUBE

Features and Benefits

* Excellent solution for automotive industry, rubber and plastic industry, defense and aerospace industry, and more

* Over 500,000 systems sold worldwide

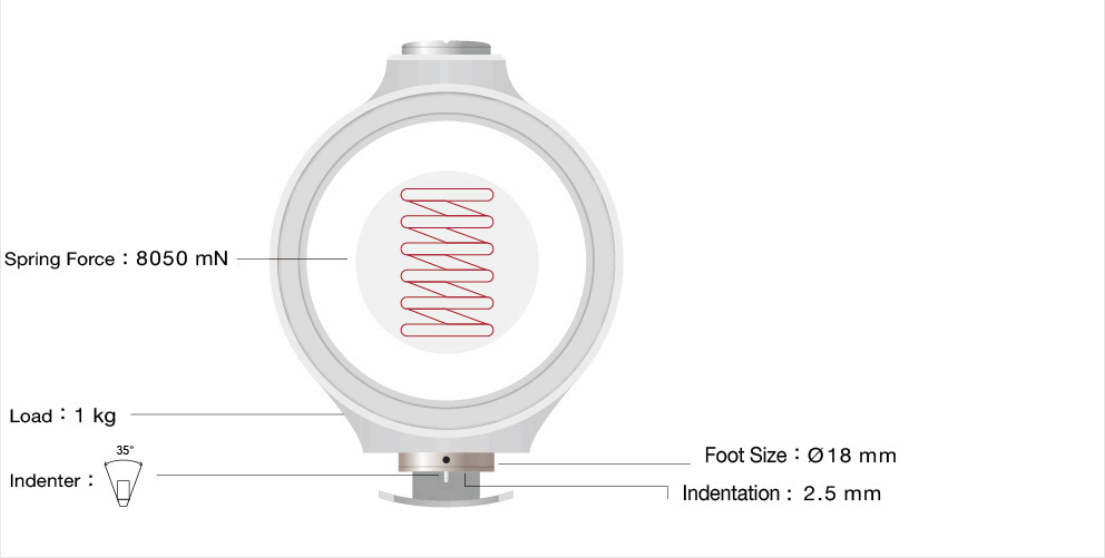
Aluminum Chassis – Shore system is suitable for field work due to its light weight and durable chassis.

Use of Ball Bearings - Reduces friction during the travel of indenter to achieve the best measuring results.

High Accuracy - Achieves 0.5 unit of Shore compared with the allowable tolerance 1.0 unit of Shore outlined in the industry standards.

Wide Model Range - Available in different Shore and non-Shore scales.

Technical Specifications



Models

Scale	Load	Spring Force	Foot Size	Indentor Travel	Min Sample Thickness	Indentor Shape
A	1 Kg	8.050 N	18 mm	2.5 mm	4 mm (DIN EN ISO 868) 6 mm (all other standards)	35°
D	5 Kg	44.45 N	18 mm	2.5 mm	4 mm (DIN EN ISO 868) 6 mm (all other standards)	30°
0	1 Kg	8.050 N	>500mm^2	2.5 mm	6 mm (all standards)	Ø3/32"
B	1 Kg	8.050 N	18 mm	2.5 mm	6 mm (all standards)	30°
C	5 Kg	44.45 N	18 mm	2.5 mm	6 mm (all standards)	35°

Scale	Load	Spring Force	Foot Size	Indentor Travel	Min Sample Thickness	Indentor Shape
D0	5 Kg	44.45 N	>500mm^2	2.5 mm	6 mm (all standards)	Ø3/32"
A0	1 Kg	8.050 N	>500mm^2	2.5 mm	6 mm (all standards)	Ø5mm
E	1 Kg	8.050 N	>500mm^2	2.5 mm	6 mm (all standards)	Ø5mm
00	400 g	1.111 N	>500mm^2	2.5 mm	6 mm (all standards)	Ø3/32"
000	400 g	1.111 N	>500mm^2	2.5 mm	6 mm (all standards)	r=6.35mm
000S	400 g	1.932 N	>500mm^2	5.0 mm	6 mm (all standards)	r=10.70mm

Calibration

As a national accredited DAkkS/DKD laboratory, our partners are officially authorized to perform repair and recalibration services on all types of hardness testers in accordance with specified standards and to issue the DAkkS/DKD certificate.

Loaner Program for Testing Heads

Avoid service interruptions by getting a tester head on loan. Contact us today to ask how.

Sample Preparation Service

We welcome you to send your specimens to our facility to confirm that our equipment's accuracy is perfectly in line with your expectations. Contact us today to learn more.

Training

We stand behind our product. Should you require additional training support, please contact us and we would be happy to assist your most suitable remote communication method.

Accessories

NG-BS 61 II test stand

This Automatic test stand is perfectly compatible with our HP unit allowing for hardness measurements in accordance with Shore standards. The pick-up device found on the test stand allows for quick and easy clamping of the hardness tester. Manual test stand option is also available.

Calibration device for HP and HPE II

In compliance with ISO 9000 the operator should perform a periodical equipment calibration. With this calibration device the accuracy of the Shore hardness tester is controlled. It allows for a quick control of the spring force in increments of ten for the measuring ranges including Shore A/B/0/C/D/DO and L, L/c.

DIN 53 505, EN ISO 868, NF EN ISO 868, ASTM D2240, JIS K 6253.

Shore Reference Test Blocks

Standard rubber blocks are used to ensure the metrological capability of the measuring device according to the Shore standard during the frequency of recalibration. The rubber blocks are embedded in a holder made of stainless steel.

The calibration stands can come with single, 3, 5 or 6 plates including DAkkS/DKD calibration certificate

Shore Control Ring

Control of the measuring distance with DAkkS/DKD / WKS Certificate

- 20 Shore
- 40 Shore
- 60 Shore
- 80 Shore

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