



Advanced Portable Shore Durometer System with Test Stand Options

Standards: [DIN ISO 7619](#), [DIN EN ISO 868](#), [NF EN ISO 868](#), [ASTM D2240](#), [SRIS 0101](#)



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



Main Unit

HPE III is R&D's latest development of the next generation HPE testing systems. The system offers cutting edge features above and beyond the standard HPEII model. The system is capable of taking a hardness value while a temperature sensor mounted on the bottom of the device is taking a temperature value. Equipped with aluminum casing alloy offers the end user the optimal combination of robust structure and light weight. The display will indicate the hardness value, the temperature as well as the humidity values. The system has an intuitive user Interface. This advanced shore durometer is designed for one-handed operation. A large hand grip will assist the user to approach the specimen perpendicularly and minimizing incorrect measuring angle and ensuring the right force is applied.

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The unit is equipped with a large LCD display with 102 x 64 pixels with selectable information to display and now comes standard with a USB connection for the BSA test stand and battery charging purposes. The patented hand grip designed to achieve correct measuring angle and correct force amount are all standard features on HPE III. Historical measurements can be displayed for the hardness values and date/time when each measurement was taken.



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

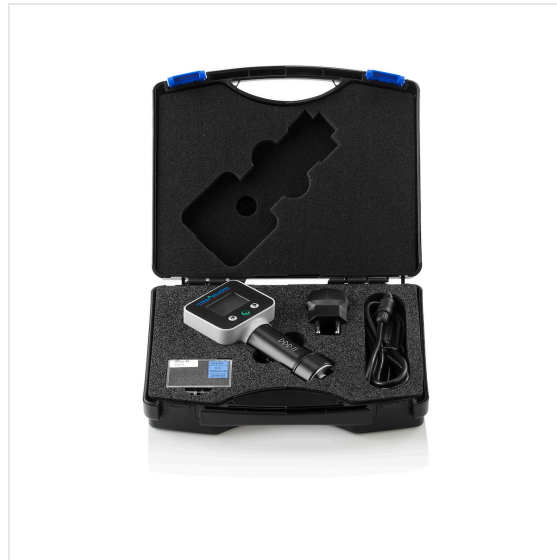
- Shore-hardness
- Specimen-/environment
- Temperature Humidity

Test Method

Shore A / A0 / B / O / C / D / D0 / 00 / 000 / 000S / E / L/c

Portable Advanced Shore Hardness Testing System

Automatic Shore Hardness Testing System





Features

HPE III	Available Methods
Temperature/humidity	DIN ISO 48-2/DIN ISO 7619
Sample Temperature	Shore A
Date and Time	Shore A0
Lithium Battery	Shore D
Display with backlight	ASTM D 2240
Auto-Power-Off	Shore 0 / Shore 00
Contact pressure acc. standards	Shore 000 / Shore 000S
Peak Value	Shore E / Shore B
USB Interface	Shore C / Shore D0

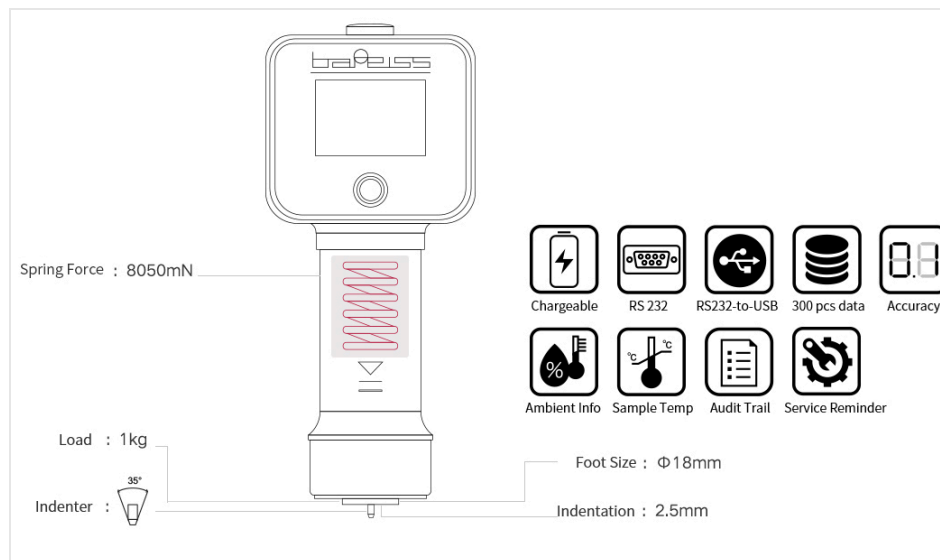


Specifications

Size And Weight

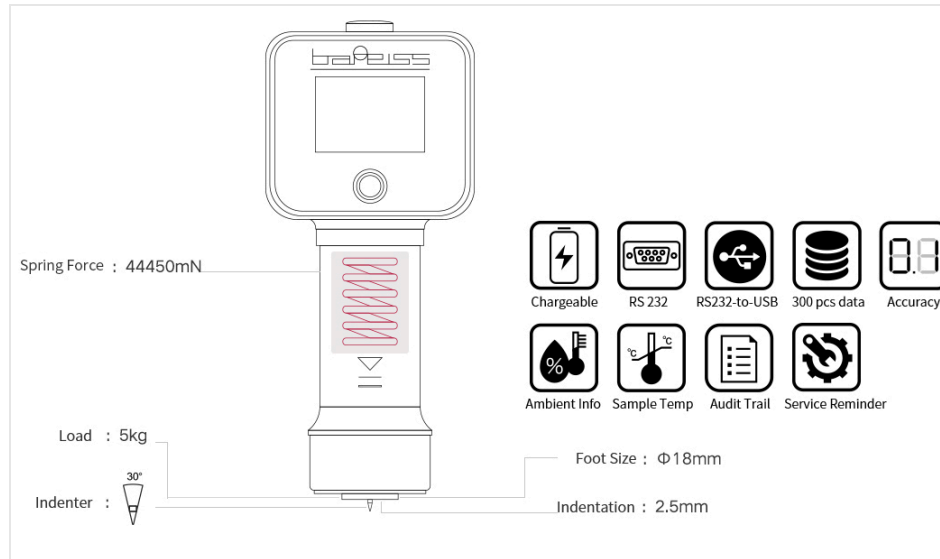


Method A





Method D



Service

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



BSA test stand

This Automatic test stand is perfectly compatible with our HP and HPEIII units allowing for hardness measurements in accordance with ASTM D2240 Shore standards. It is designed to help eliminate the human error factor creating consistent measuring results operator-to-operator. 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/O/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.

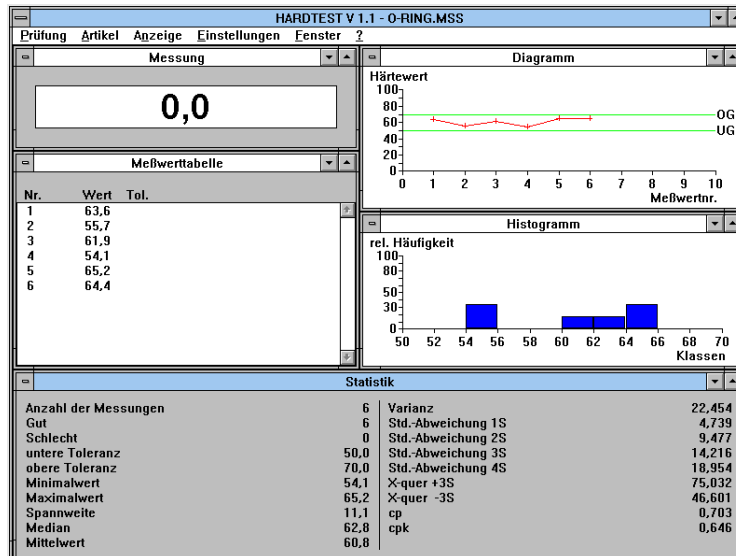
The calibration stands can come with single, 3, 5 or 6 plates including DAkkS/DKD calibration certificate



Shore Control Ring

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

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



Hardtest – Software

Hardtest is one of the most prominent accessories applicable to both the DigiTest and the HPE line of equipment. It comes standard with a serial interface. The software designed to eliminate all human and other error factors.

DAKKS/DKD Calibration Certificate

The purpose of the hardness tester calibration is to determine the unit's measure output against the standard reference. Once the unit is confirmed to meet the testing criteria, a calibration certificate is then issued indicating the measuring results and the corresponding measurement uncertainties and the instrument is marked as calibrated.

All supplied corresponding documentation offered with the calibration certificate provides traceability in accordance to national standards



Watch Video



Watch the Advanced Portable Shore Durometer System with Test Stand Options product video.

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