bareiss®
PRÜFGERÄTEBAU GMBH

HP

EN

ASTM D2240 | DIN EN ISO 868 | DIN ISO 48-4 | JIS K 6253 | SRIS 0101

Analog handheld hardness tester for hardness assessment according to Shore and Asker on flat test specimens, made of composite materials, flexible cellular materials, elastomers and polymers.

The hardness tester is used to determine the Shore hardness of soft elastic materials, elastomers and plastics. For a reliable hardness test according to the standard, a smooth and flat specimen with ≥ 35 mm diameter and ≥ 6 mm material thickness is required.
For a correct hardness measurement with the HP, according to Shore or Asker, plain-parallel test specimens with a minimum thickness of six millimeters are required. The handheld hardness tester is placed vertically on the surface of the test specimen, with manual pressure being applied. Specially-designed, high-precision mechanics guarantee a reduced level of friction for the measuring mechanism. Thus, a higher measuring accuracy is ensured. The assessed hardness can be read on the analog display of the HP during the measurement.
The accuracy of the hardness tester must be checked regularly by the user with reference elastomer blocks to ensure accurate measurement results.

MEASURING METHODS

Shore A	Shore 0
Shore A0	Shore 00
Shore D	Shore 000
	Shore 000S
	Shore E
Asker C	Shore B
Asker CS	Shore C
Asker F	Shore D0

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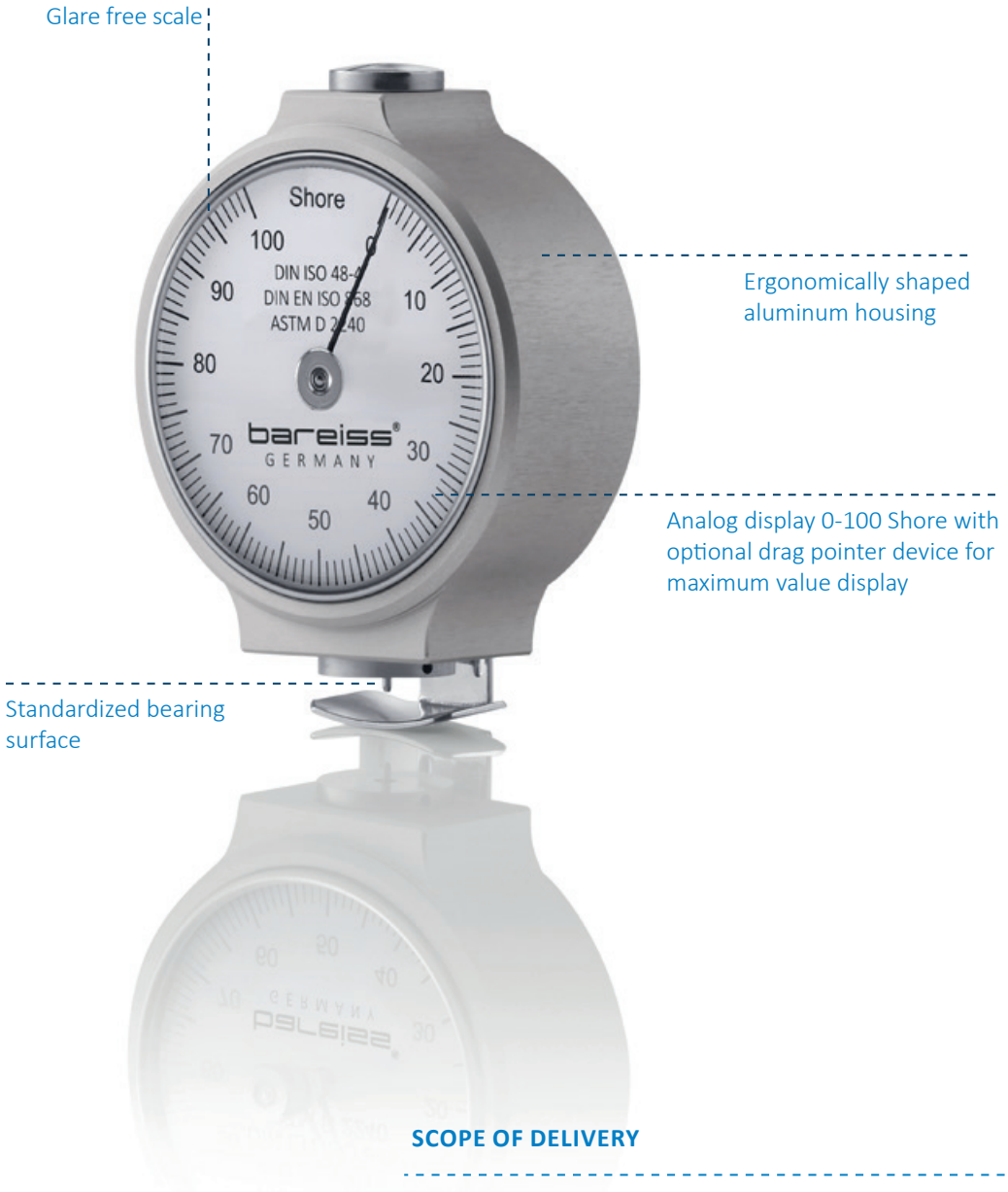
MAIN CHARACTERISTICS



TECHNICAL SPECIFICATIONS

Measurements W x D x H: 65 x 28 x 80 mm

Weight ca. 230 g

SCOPE OF DELIVERY

HP handheld hardness tester

Transport case

Operating manual

HP

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ACCESSORIES

Manual test stand, type BS 61
The test stand with manual lowering guarantees the precise 90° support of the handheld hardness tester.

Control device for checking the spring force A/D
The control device can be used to check the spring force of the handheld hardness tester.

DAkkS Deutsche Akkreditierungsstelle D-K-15206-01-00

DAkkS calibration certificate The calibration takes place according to DIN EN ISO/IEC 17025, being confirmed with a DAkkS calibration certificate.

Control rings with DAkkS calibration certificate
The measuring path of the hardness tester, within the defined hardness range, is monitored with the help of the control rings.

Reference elastomer blocks with DAkkS calibration certificate, single set/set of 3 or 6
Reference elastomer blocks can be used to check the indenter and measuring path of the hardness tester according to DIN ISO 48.

REFERENCE
The decision to use a test stand will ensure that the HP is placed at an angle of 90° on the test specimen. Alternatively, you can also use our handheld hardness testers HPE III or HPE III Basic, equipped with a functional handle. Thanks to their integrated compression sleeve, these can be guided vertically in a reliable manner, and safely placed on the test specimens, with standard-compliant pressure.

MADE IN GERMANY SINCE 1954.

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The accreditation is valid for the scope listed in certificate D-K-15206-01-00 (mechanical measurands in the range of hardness).