bareiss®
PRÜFGERÄTEBAU GMBH

BALL REBOUND TESTER

EN

ASTM D3574 | DIN EN ISO 8307

Digital measuring device with downpipe, sensors and connected electronic unit for determining the ball rebound resilience through the free fall of a ball on soft, elastic, polymeric foam materials.

The elasticity of polymeric foam materials can be analyzed by measuring the rebound height of a ball after the free fall and impact on a test specimen.
The vertical alignment of the measuring device guarantees the undisturbed fall of the ball. The minimum thickness of the plane-parallel samples is of 50 mm. Given the practical fastening of the downpipe, its support height can be permanently adjusted to the thickness of the test specimen. Thanks to a magnetic holder, the ball remains securely adjusted until the start, being released manually with the help of the handwheel, at the beginning of the measuring process. After the ball hits the test specimen, sensors determine the rebound height. Depending on the selected mode, the electronic unit records the individual value, as well as the median or average value of several measurements, showing them on the display.

MEASURING METHODS

- Single measurement
- Median values of several measurements according to DIN EN ISO 8307
- Average values of several measurements according to ASTM D 3574

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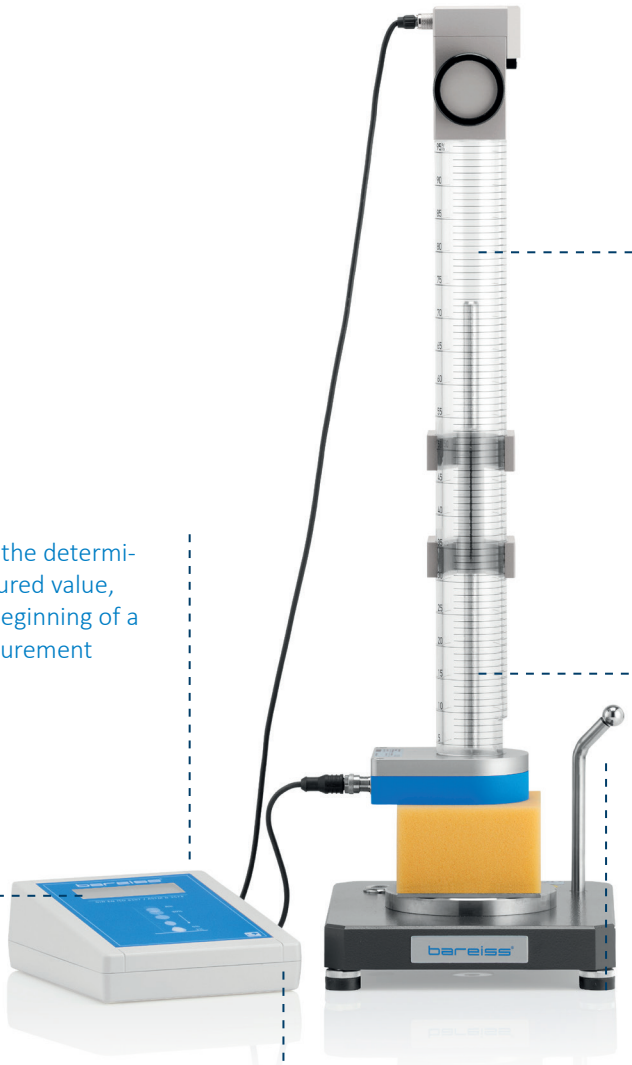
MAIN CHARACTERISTICS



Scaling on the downpipe also permits the manual reading of the rebound height

Display of the determined measured value, until the beginning of a new measurement

Electronic determination of the ball rebound height via sensors

External electronic unit with illuminated display

Different modes for selecting the determination of median or mean values

TECHNICAL SPECIFICATIONS

Measurements Test stand W x D x H: 200 x 250 x 600 mm

Measurements Electronical unit W x D x H: 200 x 171 x 90 mm

Weight Test stand 9 kg

SCOPE OF DELIVERY

Test stand with support table and scaled downpipe, drop height 500 mm

External electronics unit

Test ball

Operating manual

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ACCESSORIES

Facility calibration certificate for the measuring device

EKF downpipe
drop height optionally 460 mm or 500 mm, with mounting arm and magnet system

Software
The software controls the hardness and hysteresis measurement processes undertaken with Bareiss testing devices.

MADE IN GERMANY SINCE 1954.

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

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