

# BAROFIX 4

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2001

The automatic O-ring positioning device for digi test II.



## NEW

Experience an effortless adjustment procedure without compromising the accuracy of the measurement results.

The Barofix 4 is the next generation of high-accuracy specimen positioning device which is designed as an add-on accessory for the Bareiss flagship hardness testing system the digi test II. Specifically designed for small O-rings and other plane parallel rubber specimens which are known for their challenging measuring locations, the Barofix 4 offers a range of impressive features to overcome those challenges. In particular, its ability to automatically adjust and locate the precise midpoint of the specimen, addressing a common concern in achieving accurate measurements. This breakthrough technology significantly reduces the chance of users' errors and increases usage efficiency. Users may also choose between single or double-point measurements as well as thickness measurement. Installing the Barofix 4 is a hassle-free experience, requiring no tools or any skills. Simply place it over the table of the digi test II and securely tighten the screws to fix it in place. This convenient solution provides users with peace of mind during testing operations.

## SUITABLE METHODS

IRHD M

M Shore A



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## FEATURES

### High accuracy laser

A high accuracy laser is incorporated to define the correct measuring location of the specimen

### Thickness measurement

The Barofix 4 includes an additional feature that aids the digi test 2 in measuring the distance between the table surface and the specimen surface. This distance is specifically interpreted as the height or thickness of the specimen.

### One-button push operation

The Barofix 4 is designed in a way to streamline operations, improve efficiency and minimize the potential for user errors. By simplifying complex functionalities behind a single button, users can initiate actions without the need to perform each step individually and manually.

### Choose between single and double-point measurements

Users can choose between single and double-point measurements by adjusting the settings on the DTE II control console. With a simple configuration, measurements can be set to occur on either one side or both sides of the O-ring.

### Experience a hassle-free adjustment procedure

When changing the measuring device, it is necessary to adjust the distance between the tip of the indenter and the laser beam. With the Barofix 4, this adjustment can be automated, significantly reducing the potential for human errors.

**NEW**

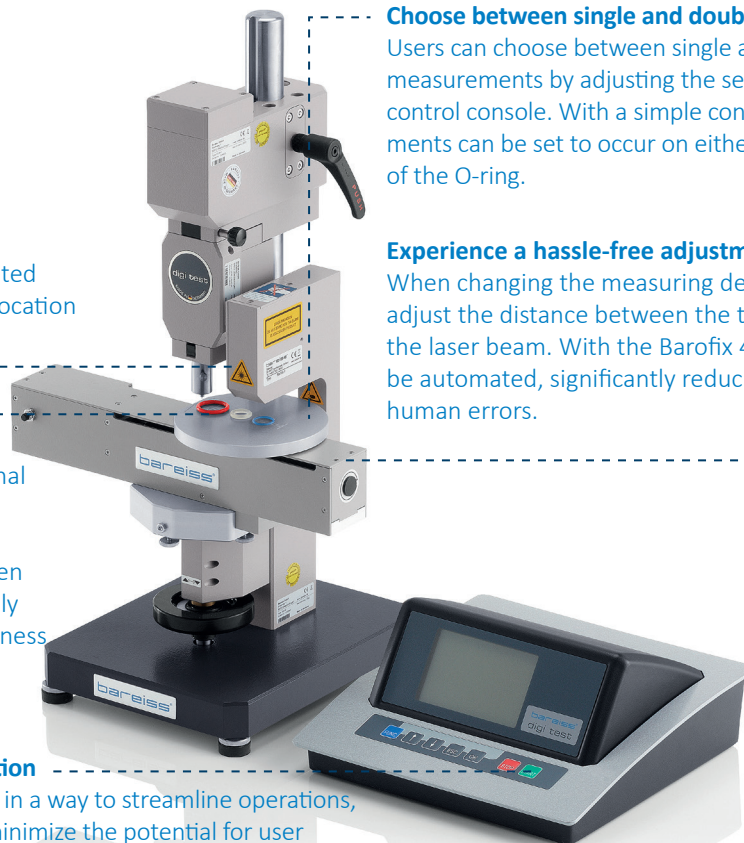


Illustration shows digi test II with Barofix 4.

## TECHNICAL SPECIFICATIONS BAROFIX 4

 **Measurements** W x D x H: 310 x 144 x 204 mm

 **Weight** ca. 3300 g

**Repeatability thickness measurement** 0,03 mm

**Thickness measurement resolution** 0,01 mm

**Table positioning accuracy** 0,08 mm

**O-ring cord from/to** 1,5 – 15 mm

## SCOPE OF DELIVERY

Positioning device Barofix 4

Connecting cable

Transport case

Operating instructions

3 x Thumb screws, 2 x Allen keys, 1 x wrench

## REFERENCE

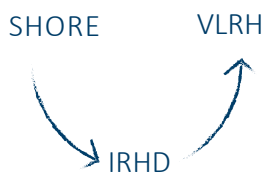
The manual Barofix has proven to be a reliable solution that facilitates the precise positioning of O-rings.

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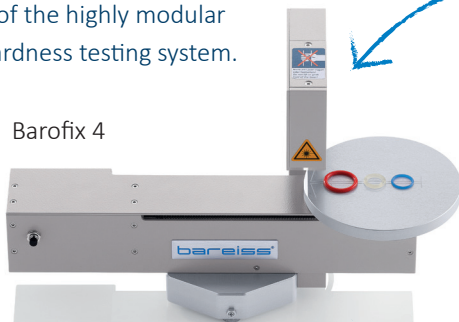
- ✓ Positioning specimens with min. thickness of 0.7 mm
- ✓ Moulded rubber parts and rubber sheets
- ✓ ISO 17025



The manual changing of the measuring device can be done in seconds without the need for tools or any manual adjustment.

The Barofix 4 is an optional component of the highly modular digi test II hardness testing system.

Barofix 4



Interchange a wide range of measuring devices including various Shore, IRHD and VLRH scales.

A versatile approach system for precise measurements on plane, sloping concave, or convex geometries.



A height-adjustable measuring stage allows easy adaptation to different sample sizes

Test stand



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).