

# OCULUS

## Universal-Messbrille UB 3+

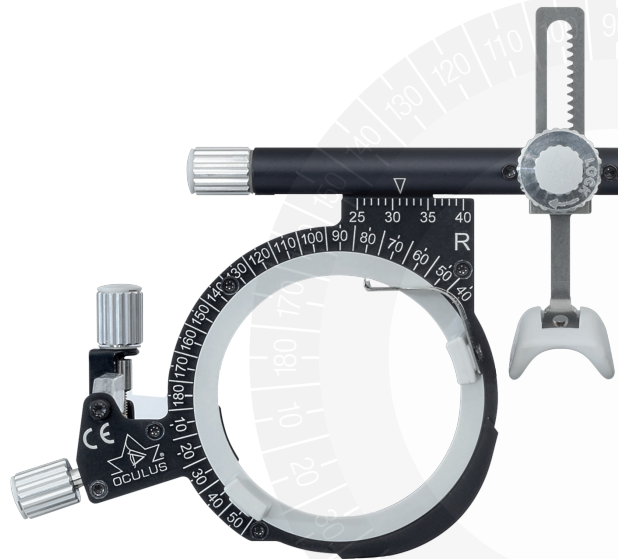
Gebrauchsanweisung

Instruction Manual

Manual de Instrucciones

Mode d'emploi

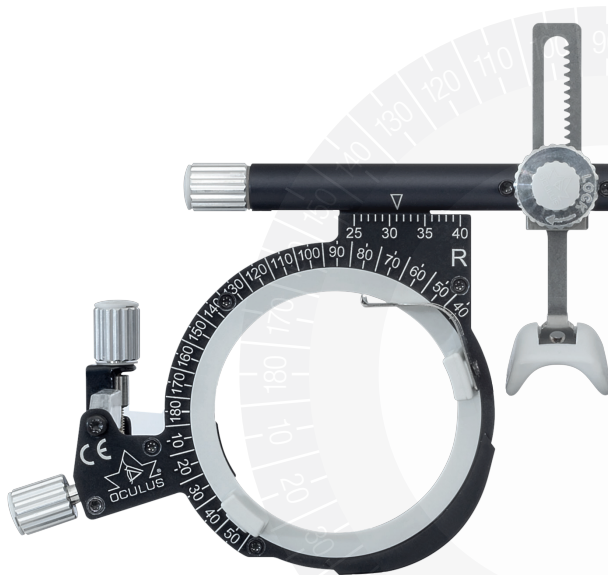
Istruzioni per l'uso



# OCULUS

## Universal Trial Frame UB 3+

Instruction Manual



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## Technical data

### Universal Trial Frame UB 3+

PD-adjustment range	50 - 80 mm
Scale division PD	1 mm
Weight	approx. 52 g
Arm length	96 - 132 mm
Tilt of arm (up/down)	25° / 12°
VD Scale (vertex distance)	0 – 14 mm
Space for trial lenses (front/back), per eye	3/2
Trial lens diameter	38 mm
Rotary range of the trial lenses (front)	360°
Material	Aluminum, stainless steel, plastic

### Scope of delivery

OCULUS Universal trial frame UB 3+	42100
nose pad	1
Instruction Manual	10010710

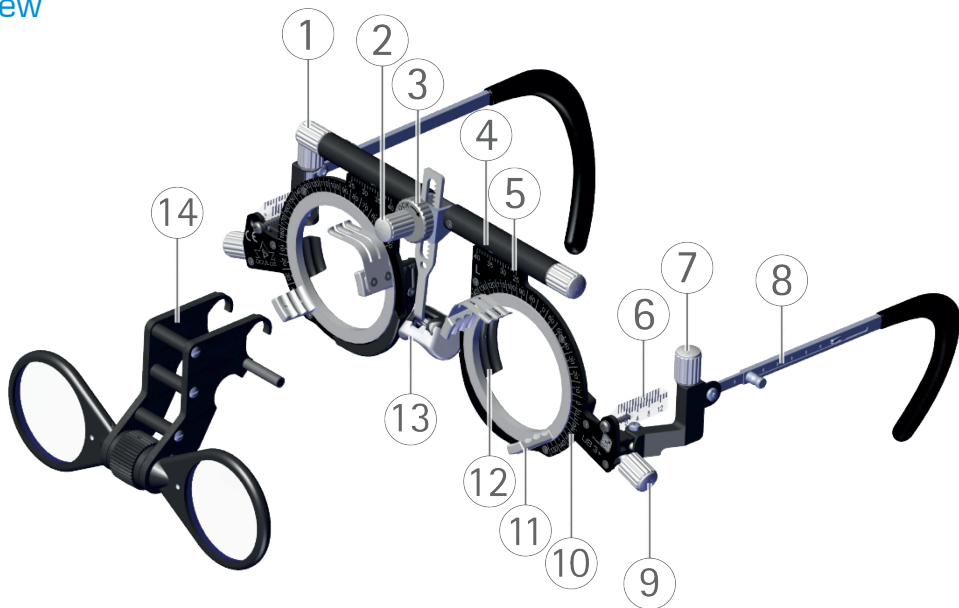
### Optional

OCULUS Polarising filter to Hegener for UB 3+/3 linear (45°/135°)	45851
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## Overview

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- 1 Knob for adjusting the pupillary distance (PD)
  - 2 Knob to adjust the height and lock into place the toothed rack with the nose pad
  - 3 Clamping screw for locking the rack with nose pad (LOCK engraving)
  - 4 Marking for horizontal centring of the pupils (pupillary distance)
  - 5 Scale for horizontal centring of the pupils (pupillary distance)
  - 6 Vertex caliber for measuring the corneal-vertex distance (CVD)
  - 7 Thumb wheel for adjusting the tilt of arm (inclination)
  - 8 Arm, adjustable in length
  - 9 Knob for adjusting the axis and basic position
  - 10 Scale for reading the axis and basic position; in compliance with the Tabo graduated dial scale according to DIN EN ISO 8429
  - 11 Lens holder, front
  - 12 Lens holder, back
  - 13 Height-adjustable, pivoting nose pad
  - 14 Polarizing filter (45851, *optional accessories*)
- Labelling:  
 L: Left/R: Right/  
 Produktbezeichnung/serial number/  
 DataMatrix code/lot number  
 Company logo/CE mark/serial number/

## Intended use

The OCULUS Universal Trial Frame UB 3+ is used for subjective determination of lenses. Only use OCULUS tIs trial lenses with a diameter of 38 mm that comply with DIN EN ISO 9801.

## Product specifications

The OCULUS Universal Trial Frame UB 3+ complies with DIN EN ISO 12867.

## Intended users:

Ensure that the OCULUS Universal Trial Frames are only used by trained or qualified health care personnel.

## Patients:

People from the age of 3 and with no maximum age limit. No restriction on weight or health condition. Patients must be awake and able to speak and to understand.

## Contraindication

- none known -

## Possible side effects

- none known -

## Operating instructions

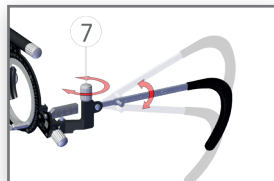
### Adjust the arm length ⑧:

- Pull the arm out and/or insert.

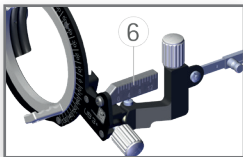
### Adjust the temple tilt (inclination):

- Turn the respective thumb wheel ⑦.

This allows you to adjust the trial frame to different ear heights and tilt it as required.



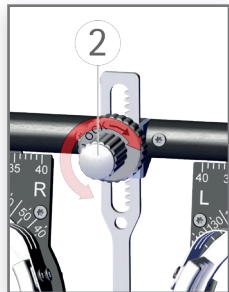
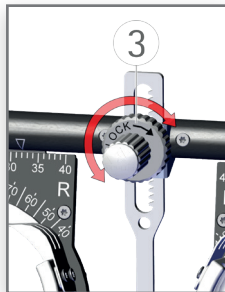
**Reading off the respectively adjusted corneal-vertex distance (CVD) at the sight/optical rods ⑥:**



The transparent vertex caliber has two scales. The inner scale must lie on top of the outer scale in order to be able to read the HSA value parallax-free. For reading, the measuring glass has to be inserted in the first rear glass mount.

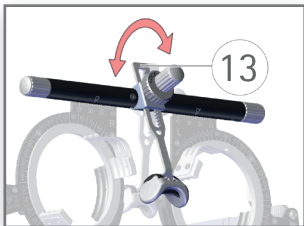
**Adjust the height of the nose pad:**

- Slightly loosen the clamping screw ③ to adjust the height of the nose pad using the knob ②.
- Tighten the clamping screw again.



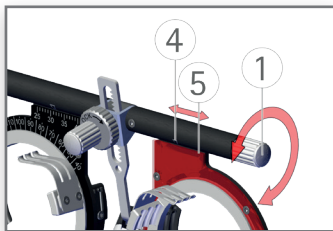
### Change the VD:

- > Pivot the rack (13).



### Adjust and read the PD:

- > Turn the knob (1).
- > Take a reading of the PD at the respective scale (5) and marking (4).

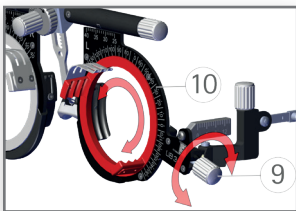


**Set the axis position for trial lenses with cylindrical power and/or the basic position of trial lenses with prismatic power:**

- > Turn the knob (9).

### Take a reading of the axis and/or basic position:

- Take a reading of the value on the scale ⑩.



### Resistance of the knobs for the axis or base position ⑬:

- Pull off the inserted nose pad, and insert a new one.

### Polarizing filter (optional)

The instructions for using the polarizing filters are supplemented by the instructions for use of the Universal Measuring Goggles UB 3+/3.

### Intended use

The polarizing filter are used for the separation of visual impressions of both eyes during refraction. They are exclusively intended for used with the OCULUS Universal trial frame UB 3+/3 (item no. 42100 /42180).

### Polarizing filter to Hegener [45851]

Weight	approx. 14 g
Position	45°/135°



- a Marker
- b Knurl wheel for turning the polarizing filter
- c Polarizing filter
- d Holder of the polarization filter

## Operate polarizing filter

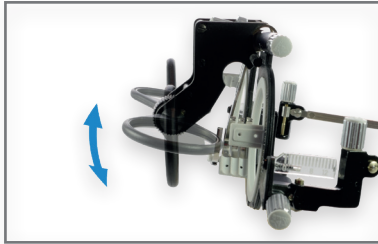
### Attach polarizing filter:

- Hang the polarizing filter with its holder (d) into place at the centre of the universal trial frame.



### Change the polarisation direction:

- Turn the thumb wheel (b) to turn the polarizing filter.



Position for V position, the marking ⓐ is visible:

$R=135^\circ$ ,  $L=45^\circ$

Position for A position, the marking ⓐ is not visible:

Remove the polarising filter

$R=45^\circ$ ,  $L=135^\circ$ .

Remove the polarising filter upwards.

- Remove the polarising filter upwards.

## Cleaning and care

- Clean UB and optional equipment when necessary with a soft, lint-free cloth only.
- In case of heavy soiling we recommend using washing-up liquid on a moistened cloth.
- Never use aggressive, chlorine-containing, abrasive or harsh detergents, pure alcohol, ether or similar solvents.
- Never use microfibre cloths to clean the optical plastic surfaces.
- Cleaning in an ultrasonic bath should not be carried out.
- Always disinfect universal trial frame before use.
- Disinfection of optical plastic surfaces is not recommended due to smearing. For cleaning of optical plastic surfaces we recommend Disposable Cleaning Swabs.

For disinfection of the trial frame we recommend:

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### Disinfecting wipes

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mikrozid® sensitive wipes premium, 2 x 50 wipes, alcohol-free 59882

mikrozid® AF wipes, 150 wipes with alcoholic agent, in a box, refillable 59895

mikrozid® AF wipes, 150 wipes with alcoholic agent, refill pack 59896

Disposable Cleaning Swabs (SWAB) for cleaning of optical plastic surfaces 34087

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**Trial frames are not suitable for cleaning in an ultrasonic cleaning bath! Damage resulting from cleaning trial frames in an ultrasonic cleaning bath is not covered by warranty.**

### Warranty

Our warranty conforms to prevailing legal regulations and is effective from the date of delivery. It covers all types of malfunctioning, as well as faults related to materials or manufacture. All legitimate claims within the warranty period will be met free of charge. This warranty shall not cover cases of normal wear and tear, improper use or use of non-OCULUS replacement parts. For information on warranty in accordance with §377 of the German Commercial Code (HGB), please refer to our General Terms and Conditions. We would be happy to send them to you upon request. Alternatively, you can read them online at [www.oculus.de](http://www.oculus.de).

Hersteller und Service  
Manufacturer and Service  
Dirección del fabricante y servicio técnico  
Fabricant et SAV  
Produttore e assistenza

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OCULUS ist zertifiziert gemäß DIN EN ISO 13485 MDSAP  
OCULUS is certified in acc. with DIN EN ISO 13485 MDSAP

Charge  
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