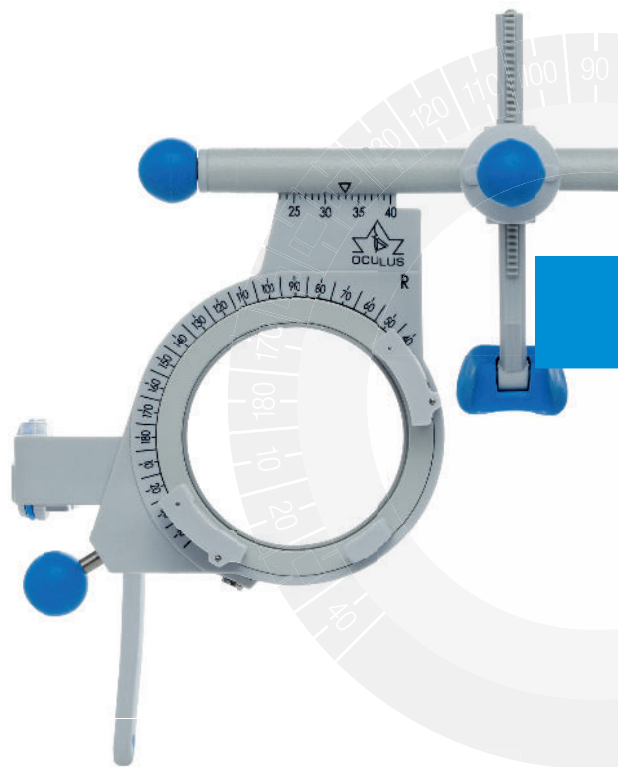


OCULUS Universal Trial Frame UB 4

This product bears the CE mark in compliance with the terms of Directive 93/42/EEC on medical products.

Instruction Manual



Content

Content	20
Technical data	21
Overview	22
Intended use	24
Product specifications	24
Operating instructions	24
Polarizing filter (optional)	28
Intended use	28
Warranty	32
Cleaning and care	32

Technical data

Universal Trial Frame UB 4

PD adjustment range	46 – 80 mm
PD scale division	1 mm
Weight	approx. 64 g
Arm length	88 – 124 mm
Arm tilt (up/down)	14,5°/8°
VD scale (vertex distance)	3 – 14 mm
Number of slots for trial lenses (front/back), per eye	3/2
Trial lens diameter	38 mm
Rotary range of trial lenses (front)	360°
Material	Plastic, aluminum, nickel silver

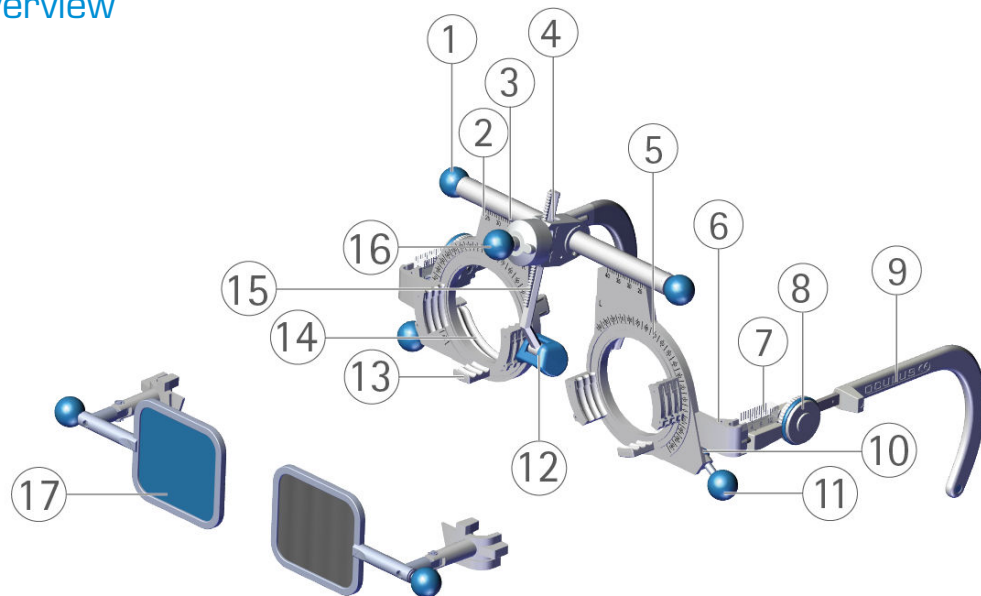
Scope of delivery

OCULUS Universal Trial Frame UB 4	42500
Nose pad	2
Instruction Manual	G/42500/IN

Optional

OCULUS polarizing filter, linear (45°/135°) for UB 4	45886
OCULUS polarizing filter circular for UB 4	45883

Overview



- 1 Knob for adjusting pupillary distance (PD)
- 2 Scale for horizontal pupil centring (pupillary distance)
- 3 Mark for horizontal pupil centring (pupillary distance)
- 4 Screw for resistance
- 5 Scale for reading axis and base positions; in compliance with Tabo graduated dial scale according to DIN EN ISO 8429
- 6 Receptacle for polarizing filter
- 7 Sighting bar for measuring vertex distance (VD)
- 8 Thumb wheel for adjusting arm tilt (inclination)
- 9 Arm, adjustable in length
- 10 Resistance of knob for adjusting axis and basis positions
- 11 Knob for adjusting axis and basis positions

- 12 Height-adjustable, pivoted nose pad
- 13 Lens holder, front
- 14 Lens holder, back
- 15 Toothed rack with nose pad, pivoted
- 16 Knob for height adjustment and locking into place of toothed rack with nose pad
- 17 Polarizing filter (45883, *optional accessories*)

Labelling:
L: Left/R: Right/
company logo/CE mark

Intended use

The OCULUS Universal Trial Frame UB 4 is used for subjective refraction. Only use OCULUS t/s trial lenses with a diameter of 38 mm that comply with DIN EN ISO 9801.

Product specifications

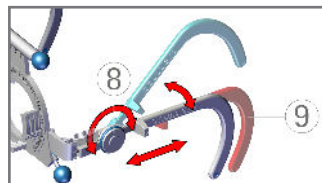
The OCULUS Universal Trial Frame UB 4 complies with DIN EN ISO 12867.

Operating instructions

Adjusting arm length ⑨:

- Pull out and/or push in arm.

The temple end is flexible and can be adjusted 5 mm in all directions.

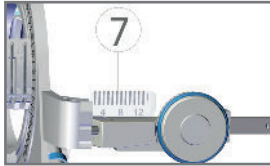


Adjusting arm tilt (inclination):

- Turn thumb wheel ⑧.

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

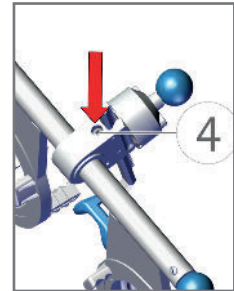
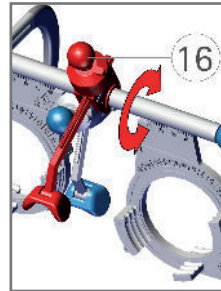
Reading off vertex distance (VD) at the sighting bars ⑧:



The transparent sighting bar has two scales. The inner scale must be aligned with the outer scale for a parallax-free reading of VD. The trial lens must be in the front-most slot of the rear lens holder when measuring VD.

Changing VD:

- Swivel rack ⑯. To do so, you must overcome a slight resistance.

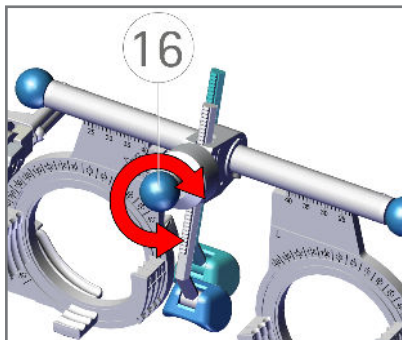


Adjusting resistance:

- Adjust the screw ④ with a screwdriver.

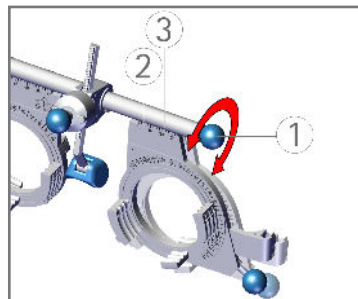
Adjusting nose pad height:

- Turn knob ① to desired height.



Adjusting and reading PD:

- Turn the knob ⑦.
- Take PD reading from appropriate scale ⑤ and mark ④.

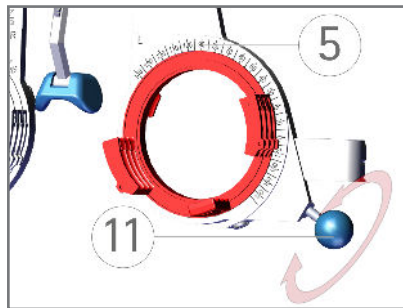


Setting axis position for trial lenses with cylindrical power and/or basis position of trial lenses with prismatic power:

- Turn knob ⑫.

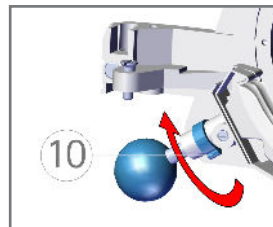
Reading axis and/or basis position:

- Take reading from scale ⑥.



Resistance of knobs for axis or base position ⑪:

- Increase: Turn brake in direction of arrow.
- Decrease: Turn brake against direction of arrow.



Polarizing filter (optional)

The instructions for using the polarizing filters supplement the Instruction Manual of the Universal Trial Frame UB 4. Please note, depending on the device you need the linear OR circular polarization filter.

Polarizing filter (45886)

Weight	approx. 12 g
Dimensions of polarization filter W x H	35 x 30 mm
Polarization	45°/135°

Polarizing filter circular (45883)

Weight	approx. 11 g
Dimensions of polarization filter W x H	35 x 30 mm

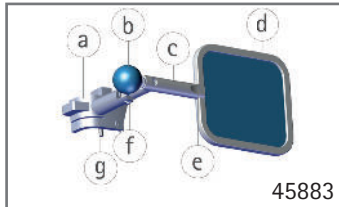
Intended use

The polarizing filters are used for separating the visual impressions of the left and right eye during refraction. They are exclusively intended for use with the OCULUS Universal Trial Frame UB 4 (item no. 42500).



Polarizing filter

- a Clip holder
- b Rotary knob for turning polarizing filter
(only 45886)
- c Swivel joint *(only 45886)*
- d Polarizing filter
- e Mark indicating
- f Hinge for unfolding
- g Pin

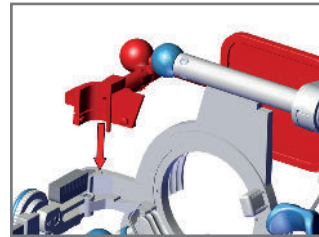


45883 (circular) position ☉ and ☿ without function

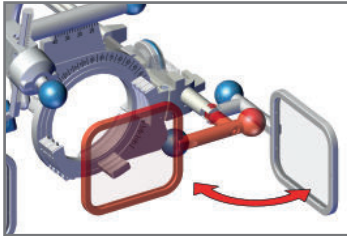
Using polarizing filter

Mounting polarizing filter:

- Insert the pin ☉ into the provided receptacle ☿ of the universal measuring goggles UB 4.



Polarizing filter linear 45886

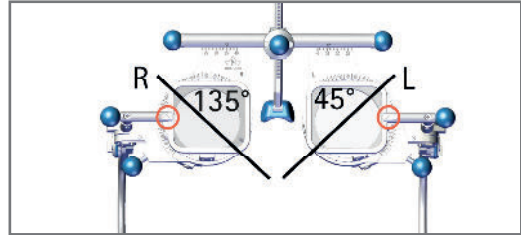


Polarizing filter can simply be swung aside when not needed.

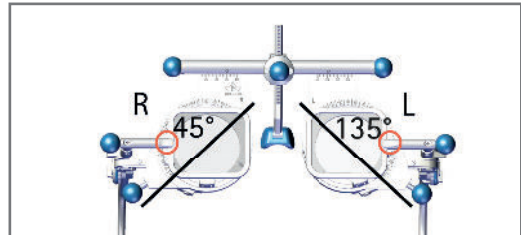
Changing polarization direction:

- Use knob ⑥ to set polarizing filter to following positions:

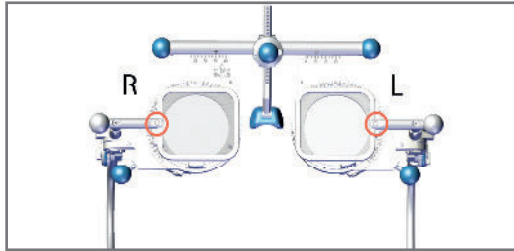
V position



A position



Polarizing filter circular 45883



Circular polarizing filters cannot be rotated.

Replace knobs and pad

Replace nose pad **(12)**:

- Pull off nose pad and mount new one.

Replace knobs **(1, 11, 16 & b)**:

- Pull off knob and mount new one.

Cleaning and care

- Clean UB 4 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, alcohol, ether or similar solvents.
- Never use microfibre cloths to clean the optical plastic surfaces.
- 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 (SWAB-34087) slightly wetted with isopropanol or spirit.

For disinfection of the trial frame we recommend the products of: Schülke & Mayr GmbH.

Disinfecting wipes

Pursept® A Xpress wipes	59895
Pursept® A Xpress wipes refill pack 150 wipes	59896
Mikrozid® sensitive wipes	59882

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.