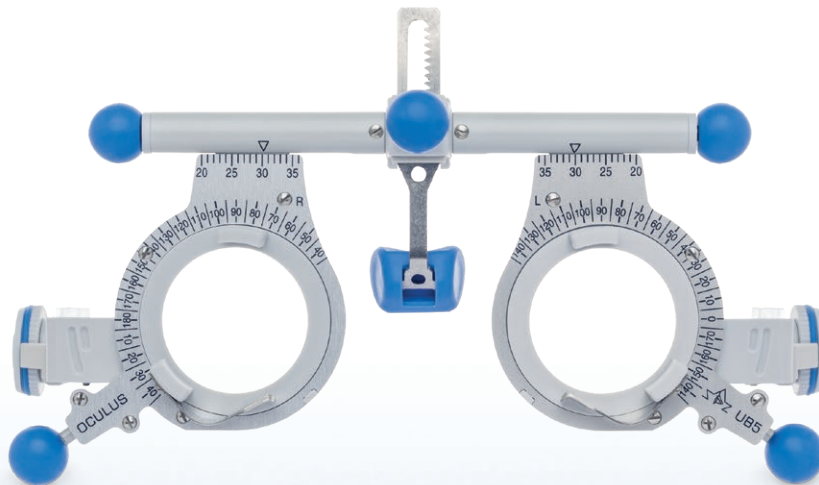


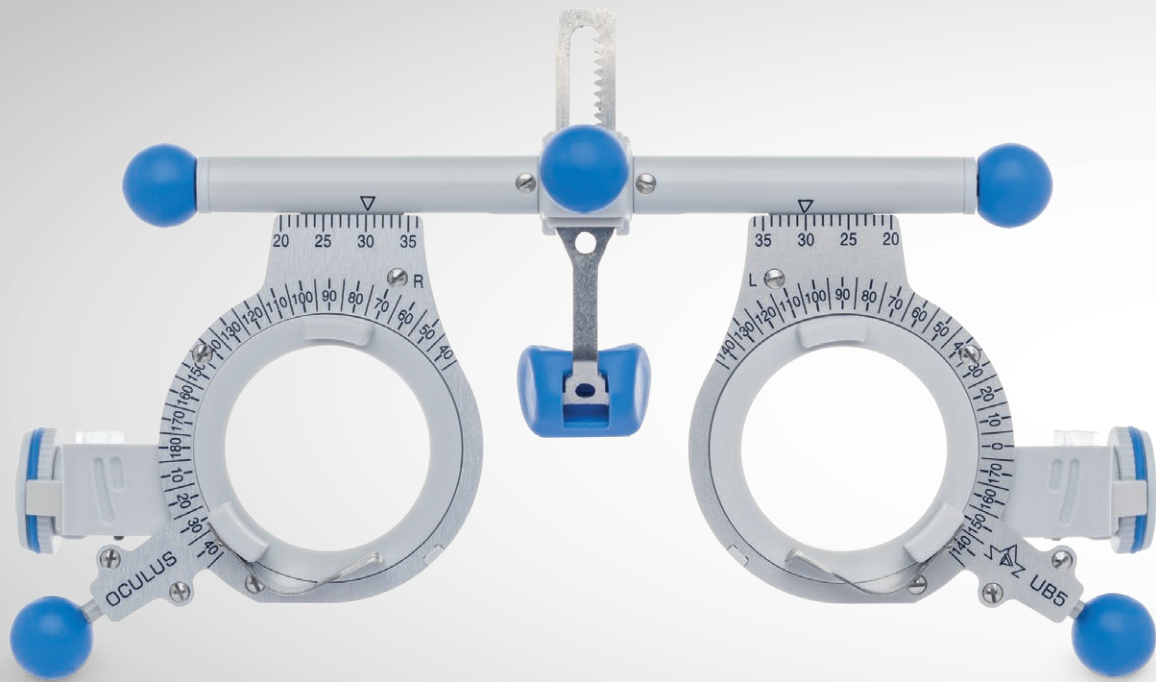
# OCULUS | Refraction

Universal Trial Frame UB 5  
Trial Lens Cases (BK S Series)



# Universal Trial Frames

The tool of the trade for every refraction professional



## OCULUS UB 5 – for small heads and children

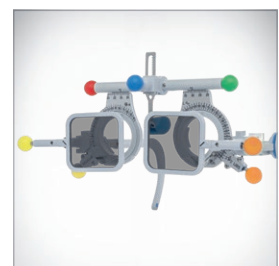
### Highlights

- Five slots for each side: three in front, two behind
- 5° gradation for easy legibility
- PD adjustment R/L: 40-72 mm
- Parallax-free reading of the vertex distance (VD)
- Flexible bendable ear pieces
- Anatomically designed nose piece for more comfort
- Height- and depth adjustable nose bridge
- Delivery content includes two additional nose pieces
- Thumb wheel for inclination adjustment
- Adjustable arm length
- Made of light metal/plastic
- Delivery content includes five additional coloured knobs

### 42550 Universal Trial Frame UB 5

45887 **Polarizing filter linear for UB 5 (45°/135°)**, pivotable and rotatable (V-/A position), large viewing area for distance and near vision, click into place for height adjustment for distance or near examination, full rim

45885 **Polarizing filter linear for UB 5 (45°/135 and 90°/180°)**, pivotable and rotatable, large viewing area for distance and near vision, semi-rimless, without midline partition



# Trial Lens Cases (BK S Series)

Unsurpassed quality made by OCULUS

## OCULUS BK S1/T and BK S1/W

- Large-set trial lens case in table or wall version containing 228 trial lenses
- 35 pairs each +/- sph 0.12 to 20 D
- 17 pairs each +/- cyl 0.25 to 6 D
- 10 prism trial lenses
- 10 special lenses:
  - 1 coloured lens red, 1 coloured lens green, 2 cross hair (centering cross), 1 occluder, 1 plano lens, 1 pinhole disc (1.25 mm), 1 stenopaic slit (1.25 mm), 1 Maddox cylinder red, 1 frosted lens



**33190 Trial Lens Case BK S1/T, table version in grey-white with roll top**

331901 Same as 33190, coated

33191 Same as 33190, without convex cylinders

331911 Same as 33191, coated

33194 Trial Lens Case BK S1/T, without trial lenses, with lens tray

**33197 Trial Lens Case BK S1/W, wall version in grey-white with roll top**

331971 Same as 33197, coated

33198 Same as 33197, without convex cylinders

331981 Same as 33198, coated

33196 Trial Lens Case BK S1/W, without trial lenses, with lens tray

## Trial Lens Sets BK S1

33192 Trial Lens Set BK S1, without lens tray, without case

331921 Same as 33192, coated

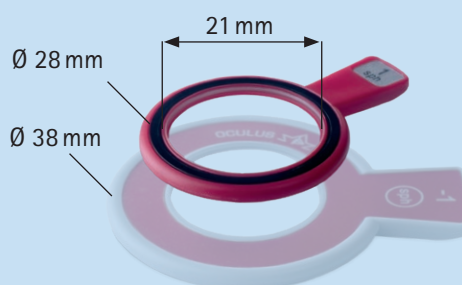
33193 Same as 33192, without convex cylinder

331931 Same as 33193, coated

33195 Lens tray for BK S1

## Small trial lenses for small heads

The only way to further reduce the PD in universal trial frames is to reduce trial lens rims. That's exactly what OCULUS does: Same size lenses with thinner rims permit PD adjustment down to 40 mm – ideal for small heads and children.



# Trial Lens Cases (BK S Series)

Unsurpassed quality made by OCULUS



## OCULUS BK S2

- Practical wooden trial lens case containing 130 trial lenses
- 20 pairs each  $\pm$  sph 0.25 to 12 D
- 10 pairs each  $\pm$  cyl 0.25 to 3 D
- 5 prism trial lenses
- 5 special lenses:
  - 1 coloured lens red, 1 coloured lens green,
  - 1 occluder, 1 pinhole disc (1.25 mm),
  - 1 Maddox cylinder red

**33490 Trial Lens Case BK S2**, beechwood case with lens tray and handle

334901 Same as 33490, coated

33491 Same as 33490, without convex cylinder

334911 Same as 33491, coated

33494 Trial Lens Case BK S2, without trial lenses, with lens tray

### Trial Lens Sets BK S2

33492 Trial Lens Set BK S2, without lens tray, without case

334921 Same as 33492, coated

33493 Same as 33492, without convex cylinder

334931 Same as 33493, coated

33495 Lens tray for BK S2

## OCULUS BK S3

- Practical wooden trial lens case containing 192 trial lenses:
- 32 pairs each + sph 0.12 to 14 D
- 32 pairs each - sph 0.12 to 15 D
- 16 pairs each - cyl 0.25 to 5 D
- 11 pairs each prism lenses 0.25 to 12 D base  $0^\circ$  and  $180^\circ$
- 10 special lenses:
  - 2 coloured lenses, 2 planos with cross hair,
  - 1 occluder, 1 plano lens, 1 pinhole disc (1.25 mm),
  - 1 stenopaic slit (1.25 mm), 1 maddox-cylinder red,
  - 1 frosted lens

**33501 Trial Lens Case BK S3**, beechwood case with lens tray and handle

335011 Same as 33501, coated

### Trial Lens Sets BK S3

33503 Trial lens set BK S3, without lens tray

335031 Same as 33503, coated

33504 Trial lens case type BK S3, without trial lenses, with lens tray

33505 Tray for BK S3



# Refraction Accessories



## OCULUS Prism Lens Case S

- Practical wooden trial lens case containing 72 prismatic trial lenses
- All trial lenses coated
- 36 pairs of prism trial lenses

33116 Prism Lens Case S, coated, beechwood case with lens tray

### Prism Lens Set S

- 33117 Prism Lens Set S, coated, without lens tray, without case
- 33118 Lens tray for Prism Lens Case S, also fits in BK S1



## Pair of Polarizing Filters Circular

34095 Polarizing filters circular tls



36730



36720

36730 Vario cross cylinder (by Reiner), with effect changes  
+/- cyl 0.25 D and 0.50 D, coated

36710 Jackson cross cylinder, +/- cyl 0.12 D, coated

36720 Jackson cross cylinder, +/- cyl 0.25 D, coated

36740 Jackson cross cylinder, +/- cyl 0.50 D, coated

36780 Jackson cross cylinder, +/- cyl 1.00 D, coated



36620



36600

36610 Spherical balance lenses with handle, +/- sph 0.12 D, coated

36620 Spherical balance lenses with handle, +/- sph 0.25 D, coated

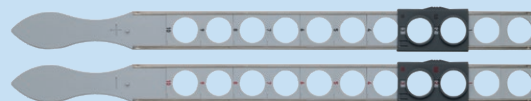
36640 Spherical balance lenses with handle, +/- sph 0.50 D, coated

36600 Refraction bar, +/- sph 0.25 und 0.50 D

36605 Refraction bar, +/- sph 0.25 und 0.50 D, coated



49700



48110

49700 Retinoscopy mirror, ø 45 mm

48110 Retinoscopy bars with slider (by Trousseau)



I conve

25

100



|                          |  | prismat |      |      |      |
|--------------------------|--|---------|------|------|------|
|                          |  | 0.25    | 0.50 | 1.00 | 2.00 |
| OCULUS BK S1             |  |         | ●    | ●    | ●    |
| OCULUS BK S2             |  |         |      | ●    | ●    |
| OCULUS BK S3             |  | ●       | ●    | ●    | ●    |
| OCULUS Prism Lens Case S |  |         |      |      |      |

[illegible]

## Key

- 1 trial lens small (tls)
- 2 trial lenses small (tls)

[illegible]

| Basic base position $O^\circ$ [PD] |      |      |      |      |       |       |
|------------------------------------|------|------|------|------|-------|-------|
| 3.00                               | 4.00 | 5.00 | 6.00 | 8.00 | 10.00 | 12.00 |
| ●                                  | ●    | ●    | ●    | ●    | ●     | ●     |
| ●                                  | ●    | ●    |      |      |       |       |
| ●                                  | ●    | ●    | ●    | ●    | ●     | ●     |
|                                    |      |      |      |      |       |       |

[illegible]

| 315° [PD] |      |      |       |       |       |       |
|-----------|------|------|-------|-------|-------|-------|
| 6.00      | 7.00 | 8.00 | 10.00 | 12.00 | 15.00 | 20.00 |
|           |      |      |       |       |       |       |
|           |      |      |       |       |       |       |
|           |      |      |       |       |       |       |
|           |      |      |       |       |       |       |

[illegible]



# OCULUS Trial Lenses

Clever detail solutions that make sense



Tab with aperture and reading mark for precise alignment



Clear colour coding of concave and convex trial lenses



Axis position (90°) of cylindrical lenses indicated by reading mark



Clear indication of the base position of prism trial lenses

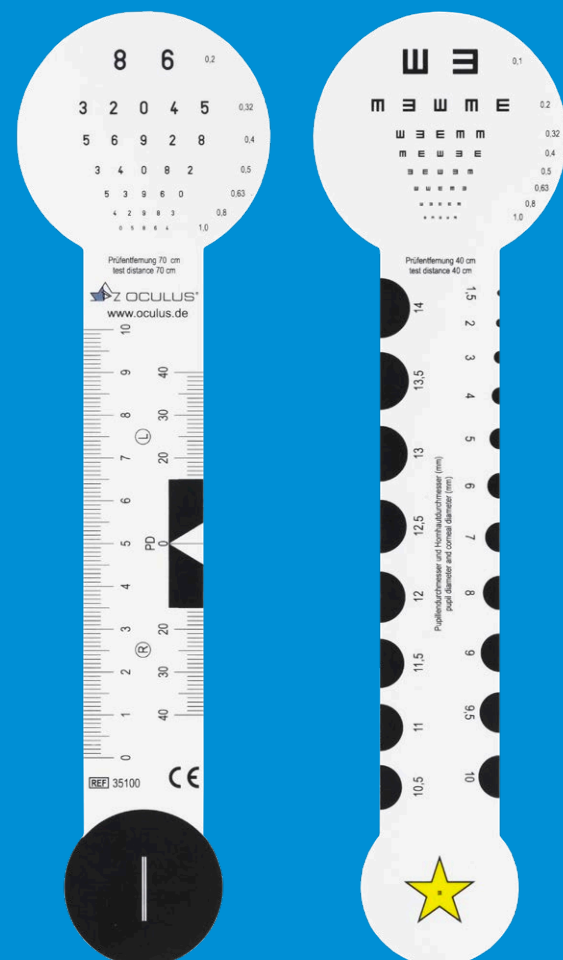
## Occluder with PD Meter

and additional features

- For the cover test
- For visual acuity testing with Tumbling E optotype for testing at 40 cm distance and numerals for testing at 70 cm distance
- For measuring monocular and binocular pupillary distance
- For determining the near point of accommodation using Duane's test image
- For measuring pupil and corneal diameter
- As a fixation target (fixation star)
- Includes a ruler for measuring palpebral fissure width
- Material: resistant, nonabrasive polystyrene
- Dimensions (W x D x H):  
220 x 60 x 2 mm (8.66 x 2.36 x 0.08 in)

The inscriptions are in German and English.

35100 Occluder with PD Meter



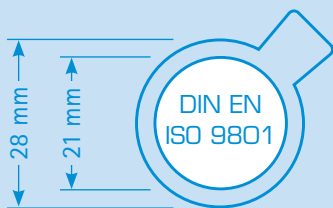
# Technical Data

## Trial Lens Cases & Trial Frame

| BK S1                               |                                                                                                                       |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Dimensions (W x D x H)              | Table version: 578 x 476 x 153 mm (22.8 x 18.7 x 6.02 in)<br>Wall version: 578 x 153 x 476 mm (22.8 x 6.02 x 18.7 in) |
| Weight                              | approx. 8.7 kg (19.3 lbs)                                                                                             |
| BK S2                               |                                                                                                                       |
| Dimensions (W x D x H)              | 378 x 255 x 55 mm (14.9 x 10 x 2.17 in)                                                                               |
| Weight                              | approx. 2.1 kg (4.6 lbs)                                                                                              |
| BK S3                               |                                                                                                                       |
| Dimensions (W x D x H)              | 378 x 255 x 55 mm (14.9 x 10 x 2.17 in)                                                                               |
| Weight                              | approx. 2.2 kg (4.9 lbs)                                                                                              |
| Prism Lens Case S                   |                                                                                                                       |
| Dimensions (W x D x H)              | 205 x 200 x 54 mm (8.1 x 7.9 x 2.1 in)                                                                                |
| Weight                              | approx. 1.0 kg (2.2 lbs)                                                                                              |
| Lens tray – Dimensions (W x D x H)* |                                                                                                                       |
| BK S1                               | 397 x 359 x 28 mm (15.6 x 14.1 x 1.10 in)                                                                             |
| BK S2                               | 357 x 234 x 30 mm (14.1 x 9.21 x 1.18 in)                                                                             |
| BK S3                               | 357 x 234 x 32 mm (14.1 x 9.21 x 1.26 in)                                                                             |
| Prism Lens Case S                   | 92 x 179 x 28 mm (3.62 x 7.05 x 1.10 in)                                                                              |

\* Note: A drawer for keeping the lens tray requires a minimum height of 60 mm (2.36 in).

| Trial Frame                           | Weight         | PD adjustment range | Arm length                 |
|---------------------------------------|----------------|---------------------|----------------------------|
| <b>UB 5</b>                           | 48 g (1.69 oz) | 40 – 72 mm          | 85 – 121 mm (3.3 – 4.8 in) |
| ↳ Polarizing filter linear (45°/135°) | 12 g (0.42 oz) |                     |                            |
| ↳ Polarizing filter circular          | 15 g (0.53 oz) |                     |                            |



### Note

The OCULUS Universal Trial Frame UB 5 is suitable for trial lenses conforming to **DIN EN ISO 9801** with a rim diameter of 28 mm, e.g. an OCULUS "tls" trial lens

### Trial Lens Coating

- Super-broadband antireflection coating with residual green reflection
- Hard coating: quartz-titanium coating for optimal resistance and longevity

CE in accordance with Medical Device Directive 93/42/EEC

WWW.OCULUS.DE



OCULUS is certified by TÜV according to DIN EN ISO 13485

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