

# Oxion

for life science

## HIGHLIGHTS

- HWF 10x/22 mm eyepieces
- Binocular and trinocular models
- Optional tilting head
- Reversed nosepiece for 5 objectives
- Semi plan and plan IOS objectives
- 150 x 140 mm stage
- Optional ceramic stage
- 3 W LED illumination
- Ergonomic stand and head
- 10 years warranty



OX.3035

## TECHNICAL SPECIFICATIONS

### EYEPIECES

- HWF 10X/22 mm eyepieces with  $\pm 5^\circ$  diopter adjustments on both eyepieces
- All eyepieces can be secured with an Allen screw

### HEAD

- Binocular and trinocular Siedentopf type heads with  $30^\circ$  inclined tubes
- Interpupillary distance from 50 to 75 mm
- A unique rotating system allows an ergonomic positioning of both tubes in an upper (431 mm) and in a lower position (397 mm)
- Ergonomic tilting head available

### NOSEPIECE

Reversed nosepiece for a maximum of five objectives on ball bearings

### OBJECTIVES – IOS INFINITY CORRECTED SYSTEM

- Semi plan 4x/0.10, 10x/0.25, S40x/0.65 and S100x/1.25 oil immersion IOS objectives
- Plan 4x/0.10, 10x/0.25, S40x/0.65 and S100x/1.25 oil immersion IOS objectives standard, optional 20x/0.40 and S60x/0.85 objectives
- Plan phase contrast S40x/0.65 and S100x/1.25 oil immersion IOS objectives
- Plan semi apochromatic Fluarex 10x/0.25, S40x/0.65 and S100x/1.25 oil immersion IOS objectives standard, optional 20x/0.50 objectives

As an option available: plan 20x/0.40 infinity corrected IOS objective and plan S60x/0.85 infinity corrected IOS objective

All S40x, S60x and S100x oil immersion objectives are spring loaded

All optics have an anti-reflection coating for maximum light throughput and are anti-fungus treated

### OX.3030 TO OX.3065

397 (h) x 185 (w) x 294 mm (d) | 7.5 kg

### STAGE

Equipped with double slide holder

- 150 x 140 mm stage with integrated X-Y mechanical stage
- A ceramic stage is also available on request
- The Oxion can be supplied with a heating stage with PID temperature controller which can be set up to  $50^\circ$  Celsius (Only available for new microscopes)



AE.5168-O



Ergohead - OX.9504

### CONDENSER FOR BRIGHTFIELD

- Height adjustable Abbe condenser N.A. 1.25 with iris diaphragm
- A darkfield stop in slider can be inserted in the condenser for darkfield contrast up to 400x magnification (optional)

### FOCUSING

- Coaxial coarse and fine adjustments, 200 graduations, 1  $\mu\text{m}$  per graduation, 200  $\mu\text{m}$  per rotation, total travel approximately 28 mm
- Supplied with an adjustable rack stop to prevent damage to sample and objectives
- The coarse adjustments are equipped with friction control

### ILLUMINATION FOR BRIGHTFIELD



- All models are supplied with a 3 W adjustable NeoLED™ illumination with integrated 100-240 V power supply
- Köhler illumination with field diaphragm

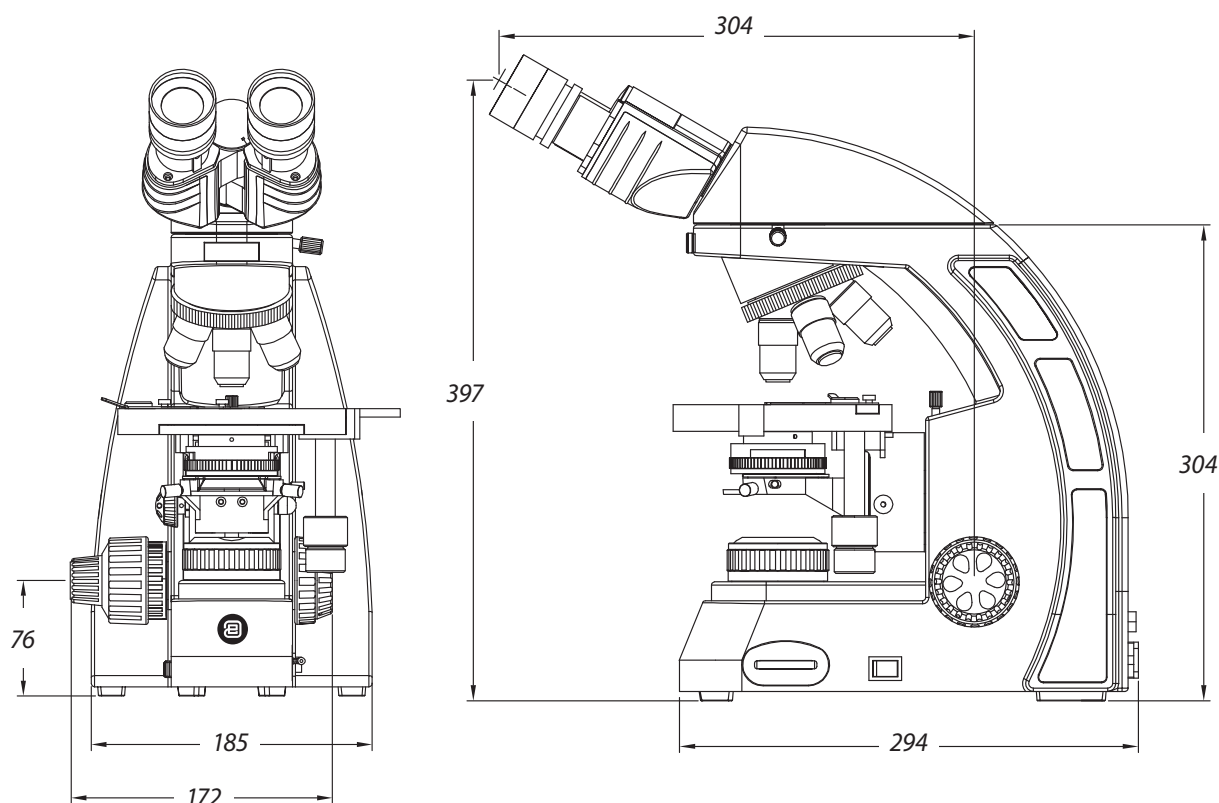
### PACKAGE CONTENT

- Supplied with power cord, dust cover, a spare fuse, user manual and 5 ml immersion oil for models with a S100x objective
- All packed in a polystyrene box



OX.3065 ●

| MODELS  | Binocular | Trinocular | Plan 4x/10x/540 IOS objectives | Plan S100x oil objective | Plan semi apo Fluarex 4x/10x/540x objectives | Plan semi apo S100x oil IOS objective |
|---------|-----------|------------|--------------------------------|--------------------------|----------------------------------------------|---------------------------------------|
| OX.3030 | •         |            | •                              | •                        |                                              |                                       |
| OX.3035 |           | •          | •                              | •                        |                                              |                                       |
| OX.3065 |           | •          |                                |                          | •                                            | •                                     |



## ACCESSORIES AND SPARE PARTS

### EYEPIECES

- AE.3210** HWF10x/22mm eyepiece
- AE.3215** HWF15x/13mm eyepiece
- AE.3223** HWF10x/22mm eyepiece with 10mm/100 micrometer
- AE.3225** Pair of eyecups

### OBJECTIVES

- AE.3160** Semi plan 4x/0.10 infinity corrected IOS objective. WD 15 mm
- AE.3162** Semi plan 10x/0.25 infinity corrected IOS objective. WD 15 mm
- AE.3166** Semi plan S40x/0.65 infinity corrected IOS objective. WD 0.42 mm
- AE.3168** Semi plan S60x/0.85 infinity corrected IOS objective
- AE.3102** Plan 2x/0.06 infinity corrected IOS objective. WD 4.1 mm
- AE.3104** Plan 4x/0.10 infinity corrected IOS objective. WD 11.9 mm
- AE.3106** Plan 10x/0.25 infinity corrected IOS objective. WD 12.1 mm
- AE.3108** Plan 20x/0.40 infinity corrected IOS objective. WD 1.5 mm
- AE.3110** Plan S40x/0.65 infinity corrected IOS objective. WD 0.36 mm
- AE.3114** Plan S100x/1.25 oil immersion infinity corrected IOS objective. WD 0.18 mm

- AE.3146** Plan semi apochromatic Fluarex 10x/0.30 infinity corrected IOS objective. WD 10.6 mm
- AE.3148** Plan semi apochromatic Fluarex 20x/0.50 infinity corrected IOS objective. WD 2.33 mm
- AE.3152** Plan semi apochromatic Fluarex S40x/0.75 infinity corrected IOS objective. WD 0.6 mm
- AE.3156** Plan semi apochromatic Fluarex S100x/1.28 oil immersion infinity corrected IOS objective. WD 0.21 mm
- AE.3130** Plan phase S40x/0.65 infinity corrected IOS objective. WD 0.36 mm
- AE.3134** Plan phase S100x/1.25 oil immersion infinity corrected IOS objective. WD 0.18 mm

WD = Working distance

## PHASE CONTRAST ATTACHMENTS

- AE.3180** Telescope for alignment of phase contrast rings  
**AE.3187** Slider with phase rings for 10x and S40x plan phase contrast objectives

## POLARIZATION ATTACHMENTS

- AE.3190** Polarizer/Analyzer set  
**AE.3192** Polarizer slider for nosepiece  
**AE.3194** Polarizer for lamp house

## FILTERS

- AE.3196** Frosted filter 45 mm, sits on lamp house  
**AE.3198** Blue filter 45 mm, sits on lamp house  
**AE.3200** Yellow filter 45 mm, sits on lamp house  
**AE.3202** Green filter 45 mm, sits on lamp house

## CAMERA ACCESSORIES

- AE.5120** Standard 23,2 mm tube for 18 mm diameter photo port (revision 1).  
 (This includes an interface to upgrade the existing photo port from a 18 mm to a 31 mm photo port)  
**AE.5120-2** Standard 23,2 mm tube for 31 mm diameter photo port (revision 2) and for all Oxion Inverso inverted microscopes  
**AE.5130** Universal SLR camera adapter for 23.2 mm tubus with built-in 2x magnification lens. Needs T2 adapter and OX.5120  
**AE.5025** T2 adapter for Nikon D digital SLR cameras  
**AE.5040** T2 adapter for Canon EOS digital SLR cameras

## MISCELLANEOUS

- AE.3197** Ceramic stage Add-on (replacing original stage)  
**OX.9504** Ergonomical head for Oxion  
  
**OX.9810** CS/C mount with 1.0x objective  
**OX.9833** C-mount adapter with 0.33x objective for Oxion microscopes and 1/3" cameras  
**OX.9850** C-mount adapter with 0.5x objective for Oxion and Oxion Inverso microscopes and 1/2" cameras  
**AE.5168-O** Heating stage and temperature controller up to 50°C. Only supplied with new purchased microscopes  
**SL.5511** LED replacement for Oxion  
**AE.3199** Glass fuses 3.15 A 250 V, 10 pieces  
**OX.3010** Aluminum transport case with flight case locks  
**OX.3011** Aluminum transport case with classical locks

## DISPOSABLES

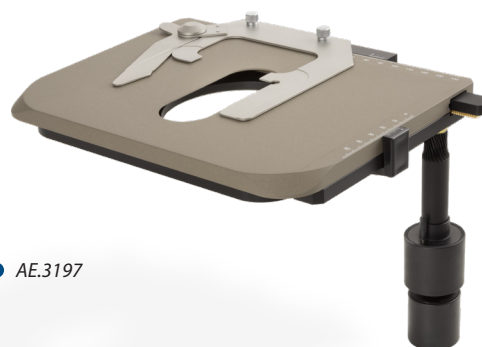
- PB.5155** Microscope slides 76 x 26 mm, ground edges, 50 pieces  
**PB.5165** Cover glasses 18 x 18 mm, thickness 0.13-0.17 mm, 100 pieces  
**PB.5168** Cover glasses 22 x 22 mm, thickness 0.13-0.17 mm, 100 pieces  
**PB.5245** Lens cleaning paper, 100 sheets per pack  
**PB.5255** Immersion oil, n = 1.515 (25 ml)  
**PB.5274** Isopropyl alcohol 99% (200 ml)  
**PB.5275** Cleaning kit: lens cleaning fluid, lint free lens tissue, brush, air blower, cotton swabs



● AE.3180



● AE.3187



● AE.3197