

# Achios-X Observer

● AX.1135-PLi

## HIGHLIGHTS

- Extra Wide field WF 10x/22 mm, Ø 30 mm
- Revolving quintuple or sextuple reversed nosepiece
- Infinity corrected 60 mm achromatic Plan, Plan Phase or Plan Semi-Apochromatic EIS objectives
- Low positioned stage adjustment knobs
- 3 W NeoLED with adjustable color temperature
- Smart Light Control (SLC)



## TECHNICAL SPECIFICATIONS

### EYEPIECES

- EWF 10x/22 mm eyepiece, with diopter adjustment
- EWF 10x/25 mm eyepiece, with diopter adjustment (optional)

### HEADS

- Standard Siedentopf trinocular with 30° inclined tubes
- Ergonomic tilting head (0° - 35°) (optional)
- Face-to-face dual head (optional)
- Multi-head systems with 2, 3 or 5 heads (optional)

### OBJECTIVES - 60 MM PARFOCAL

The Achios-X observer comes with

- Infinity corrected achromatic Plan EIS objectives\*
- Infinity corrected achromatic Plan Phase EIS objectives\*
- Infinity corrected achromatic Plan Semi-Apochromatic EIS objectives\*

\*M25 mounting thread

### STAGE

The Achios-X Observer comes complete with a generously sized, hard coated, rackless mechanical stage, meticulously designed for enhanced safety. Free from any sharp edges protruding from the microscope's sides, this stage ensures a secure and worry-free experience. Suitable for two slides and allows single handed placement of slides

Measurements:

- Stage 230x150 mm X-Y
- mechanical stage 78 x 54 mm

### ILLUMINATION

The Köhler illumination of the Achios-X Observer provides the most uniformly illuminated and bright field of view

### NOSEPIECE

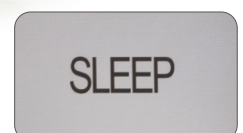
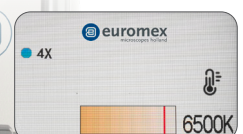
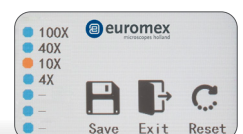
Experience the ease of an intuitive quintuple or an optional sextuple nosepiece on ball-bearings, equipped with gripped ring for effortless and precise rotation

AX.1153-PLi  
431 (h) x 257 (w) x 354 mm (d) | 11.2 kg

## LIGHT AND COLOR TEMPERATURE CONTROL

The Achios-X Observer introduces Smart Light Control. This intelligent function memorizes the light intensity level for each objective. The color temperature of the NeoLED light source can be adjusted and stored. This innovation not only heightens comfort but also saves valuable time during routine magnification shifts.

The eco-friendly NeoLED light source is both environmentally conscious and built to endure



### CSS – CABLE STORAGE SYSTEM

Allows users to easily stow away excess cable length into the back of the instrument during operation and to roll up the power cable for easy storage

### CARRYING GRIP

The integrated carrying grip at the back of the microscope ensures safe transportation of the microscope

### NEOLED

The innovative NeoLED™ design is a combination of a custom LED and a specially designed thin lens with a short focal length in order to obtain four main benefits:

- More oblique light from the NeoLED™ light source can be captured, which increases the light output significantly
- Less energy is required to achieve this level of light intensity
- The larger aperture of NeoLED™ allows the optical system of the microscope to produce images at higher resolutions, very close to the theoretical diffraction limit of the optics
- Super long life span, up to 50.000 hrs nominal, L70 norm

### PACKAGING

Supplied with power cord, dust cover, screwdriver, user manual and 5 ml immersion oil for models supplied with a 100x objective

MODELS	Bino	Trino	Ergo	eyepieces EW 10x/22 mm	Plan objectives 4/10/40 IOS	Plan objective 100x (oil) IOS	Plan Semi-Apo objectives 4/10/40 IOS	Plan Semi-Apo objective 100x (oil) IOS	Plan Phase objectives 10/20/40/100x (oil) IOS
AX.1052-PLi	•			•	•				
AX.1053-PLi		•		•	•				
AX.1152-PLi	•			•	•	•			
AX.1153-PLi		•		•	•	•			
AX.1158-PLi			•	•	•	•			
AX.1052-APLi	•			•			•		
AX.1053-APLi		•		•			•		
AX.1152-APLi	•			•			•	•	
AX.1153-APLi		•		•			•	•	
AX.1158-APLi			•	•			•	•	
AX.1152-PLPHi	•			•					•
AX.1153-PLPHi		•		•					•
AX.1158-PLPHi			•	•					•

Sixtuple nosepiece is also available

Some models are also available as in vitro diagnostic medical devices class A - (EU) 2017/746

Contact your Euromex dealer

## ACCESSORIES AND SPARE PARTS

### EYEPIECE (Ø 30 MM TUBE)

- AX.6010** EWF 10x/22 mm eyepiece for Achios-X observer.  
With diopter adjustment
- AX.6410** EWF 10x/25 mm eyepiece for Achios-X observer.  
With diopter adjustment

**AX.7260** Infinity EIS 60 mm Plan PLi S60x/0.80 objective, M25 thread.  
WD\* 1.5 mm

**AX.7200** Infinity EIS 60 mm Plan PLi S100x/1.25 oil-immersion objective, M25 thread. WD\* 0.3 mm

### PLAN OBJECTIVES

- AX.7204** Infinity EIS 60 mm Plan PLi 4x/0.10 objective, M25 thread.  
WD\* 30 mm
- AX.7210** Infinity EIS 60 mm Plan PLi 10x/0.25 objective, M25 thread.  
WD\* 10.2 mm
- AX.7220** Infinity EIS 60 mm Plan PLi 20x/0.40 objective, M25 thread.  
WD\* 10.2 mm
- AX.7240** Infinity EIS 60 mm Plan PLi S40x/0.65 objective, M25 thread.  
WD\* 1.5 mm
- AX.7250** Infinity EIS 60 mm Plan PLi S50x/0.95 oil objective. M25 thread.  
WD\* 0.3 mm

### PLAN SEMI-APPOCHROMATIC OBJECTIVES

- AX.7304** Infinity EIS 60 mm Plan Semi-Apochromatic PL-SAFi Fluarex 4x/0.15 objective, M25 thread. WD\* 0.17 mm
- AX.7310** Infinity EIS 60 mm Plan Semi-Apochromatic PL-SAFi Fluarex 10x/0.3 objective, M25 thread. WD\* 15.8 mm
- AX.7320** Infinity EIS 60 mm Plan Semi-Apochromatic PL-SAFi Fluarex 20x/0.5 objective, M25 thread. WD\* 2.7 mm
- AX.7340** Infinity EIS 60 mm Plan Semi-Apochromatic PL-SAFi Fluarex S40x/0.75 objective, M25 thread. WD\* 1.35
- AX.7300** Infinity EIS 60 mm Plan Semi-Apochromatic PL-SAFi Fluarex S100x/1.25 oil-immersion objective, M25 thread. WD\* 0.18 mm

\*WD = working distance

## PLAN PHASE CONTRAST OBJECTIVES

- AX.7710** Infinity EIS 60 mm Plan Phase contrast PLPHi 10x/0,25 objective, M25 thread. Working distance 10,2 mm
- AX.7720** Infinity EIS 60 mm Plan Phase contrast PLPHi 20x/0,40 objective, M25 thread. Working distance 13,36 mm
- AX.7740** Infinity EIS 60 mm Plan Phase contrast PLPHi 40x/0,65 objective, M25 thread. Working distance 0,7 mm
- AX.7700** Infinity EIS 60 mm Plan Phase contrast PLPHi 100x/1.25 oil immersion objective, M25 thread. Working distance 0,22 mm

## HEADS

- AX.5700-ADD** Ergonomical Siedentopf trinocular head with tilting tubes ADD-ON option for Achios-X observer. Only with the purchase of new microscopes Add the AX.5700-ADD price to a Achios-X Observer model in order to have the prices of a configuration with ergo titling head and order the microscope as AX.1158-xxxx / AX.3158-xxxx
- AX.5600-ADD** Face to Face attachment, 2 heads ADD-ON option for Achios-X Observer. Only available with the purchase of a new standard microscope
- AX.5600** Face to Face attachment, 2 heads for Achios-X Observer
- AX.5602-ADD** Multi head, 2 heads ADD-ON option. Only available with the purchase of a new standard microscope. Add the AX.5602-ADD price to a Achios-X Observer model in order to have the prices of a configuration with ergo titling head and order the microscope as AX.1158/2 or AX.3158/2
- AX.5602** Multi head 2 heads attachment
- AX.5603-ADD** Multi head, 3 heads ADD-ON option. Only available with the purchase of a new standard microscope. Add the AX.5603-ADD price to a Achios-X Observer model in order to have the prices of a configuration with ergo titling head and order the microscope as AX.1158/3 or AX.3158/3
- AX.5603** Multi head 3 heads attachment
- AX.5605-ADD** Multi head, 5 heads ADD-ON option. Only available with the purchase of a new standard microscope. Add the AX.5605-ADD price to a Achios-X Observer model in order to have the prices of a configuration with ergo titling head and order the microscope as AX.1158/5 or AX.3158/5
- AX.5605** Multi head 5 heads attachment

## CONDENSERS

- AX.9100** Standard Abbe Condenser
- AX.9105-ADD** Swing-out Abbe Condenser Add-on option. Only with new microscopes
- AX.9105** Swing-out Abbe Condenser
- AX.9110** Dark field condenser (Dry)
- AX.9112** Dark field condenser (Oil)
- AX.9126** Zernike phase contrast set. Includes Zernike phase condenser and PLPHi 10/20/S40/S100-oil immersion objectives, telescope and green filter

## CAMERA

- AX.9850** C-mount adapter 0,5x

## MISCELLANEOUS

- AX.9896-ADD** Nosepiece with 6 objectives ADD-ON option for Achios-X Observer. Only available with the purchase of a new microscope
- AX.9702** Green filter
- AX.9148** Telescope
- AX.9660** Simple polarization kit

