

Achios-X Observer

● EAX-1153-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
- Adjustable color temperature with 3 W NeoLED™
- 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 binocular or trinocular with 30° inclined tubes. A 0.5x c-mount adapter is included (a 1x is optional)
- Siedentopf trinocular (100:0/0:100 switch) with 30° inclined tubes
- Ergonomic tilting head (0° - 35°). A 23.2 mm phototube is included. Several c-mount adapters are available (lenses 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

FOCUSING

Coarse 37.7 mm per rotation, fine 0.2mm per rotation.

Division 0.002 mm, range 30 mm

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



EAX-1153-PLi

431 (h) x 257 (w) x 354 mm (d) | 11.2 kg

CONDENSERS

Depending the configuration, the Achios-X Observer is supplied with

- Standard Abbe Condenser
- Zernike phase condenser includes telescope and green filter
- Swing-out Abbe Condenser
- Dark field condenser (Dry)
- Dark field condenser (Oil)

ILLUMINATION

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

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

LIGHT AND COLOR TEMPERATURE CONTROL

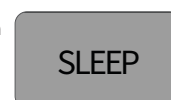
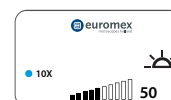
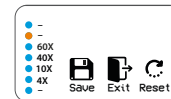
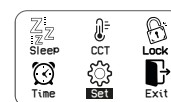
The Achios-X Observer introduces Smart Light Control. This intelligent function memorizes the light intensity level for each objective. The color temperature of the NeoLED™ light source can be adjusted and stored. This innovation not only heightens comfort but also saves valuable time during routine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



PACKAGING

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

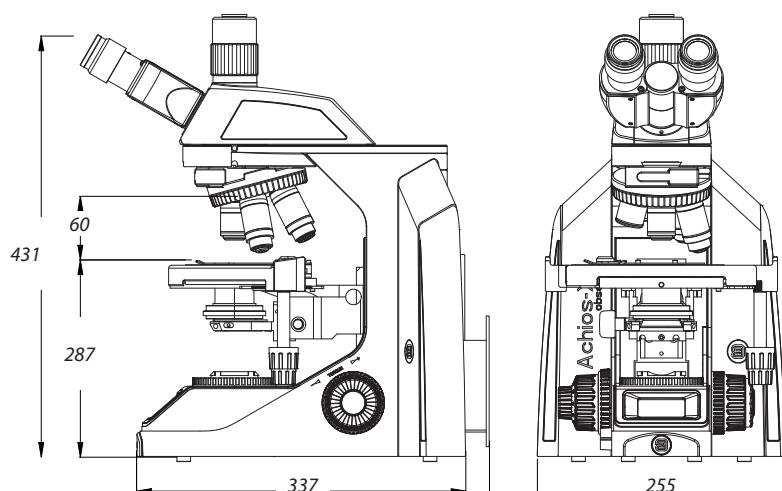
MODELS	Bino	Trino	Ergo	eyepieces EW 10x/22 mm	Plan objectives 4/10/40 IOS	Plan objective 100x (oil) IOS	Plan Semi-Apo objectives 4/10/40 IOS	Plan Semi-Apo objective 100x (oil) IOS	Plan Phase objectives 10/20/40/100x (oil) IOS
EAX-1052-PLi	•			•	•				
EAX-1053-PLi		•		•	•				
EAX-1152-PLi	•			•	•	•		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

DIMENSIONS



ACCESSORIES AND SPARE PARTS

EYEPIECE (Ø 30 MM TUBE)

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

OBJECTIVES

Plan infinity corrected PLi, EIS 60 mm parfocal*

- EAX-7202** 2x/0.06 PLi objective. WD 7.5 mm
- EAX-7204** 4x/0.10 PLi objective. WD 30 mm
- EAX-7210** 10x/0.25 PLi objective. WD 10.2 mm
- EAX-7220** 20x/0.40 PLi objective. WD 10.2 mm
- EAX-7240** S40x/0.65 PLi objective. WD 1.5 mm
- EAX-7260** S60x/0.80 PLi objective. WD 1.5 mm
- EAX-7200** S100x/1.25 oil-immersion PLi objective. WD 0.3 mm

Plan Semi-Apochromatic Fluarex infinity corrected

PL-SAFi, EIS 60 mm parfocal*

- EAX-7304** 4x/0.15 PL-SAFi objective. WD 0.17 mm
- EAX-7310** 10x/0.3 PL-SAFi objective. WD 15.8 mm
- EAX-7320** 20x/0.5 PL-SAFi objective. WD 2.7 mm
- EAX-7340** S40x/0.75 PL-SAFi objective. WD 1.35
- EAX-7300** S100x/1.25 oil-immersion PL-SAFi objective. WD 0.18 mm

Plan Phase infinity corrected PLPHi, EIS 60 mm parfocal*

- EAX-7710** 10x/0.25 PLPHi objective. WD 10.2 mm
- EAX-7720** 20x/0.40 PLPHi objective. WD 13.4 mm
- EAX-7740** 40x/0.65 PLPHi objective. WD 0.7 mm
- EAX-7700** 100x/1.25 oil immersion PLPHi objective. WD 0.22 mm

WD = working distance

* M25 mm thread

HEADS

- EAX-5313**** Siedentopf trinocular head 100:0/0:100 with 30 degrees inclined tubes
- EAX-5700**** Ergonomical Siedentopf trinocular head with tilting tubes and with 23.2 mm photo tube. Add the EAX-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 EAX-1158-xxxx / EAX-3158-xxxx
- EAX-5600**** Face to Face attachment, 2 heads
- EAX-5600** Face to Face attachment, 2 heads for Achios-X Observer

- EAX-5602**** Multi head, 2 heads Add the EAX-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 EAX-1158/2 or EAX-3158/2
- EAX-5602** Multi head 2 heads attachment
- EAX-5603**** Multi head, 3 heads Add the EAX-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 EAX-1158/3 or EAX-3158/3
- EAX-5603** Multi head 3 heads attachment
- EAX-5605**** Multi head, 5 heads Add the EAX-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 EAX-1158/5 or EAX-3158/5
- EAX-5605** Multi head 5 heads attachment

** ADD-ON option (EAX-xxxx-ADD). Only with the purchase of new microscopes

CONDENSERS

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

PHOTO ADAPTERS FOR MODELS AX.xxx3

- EAX-9850** C-mount adapter 0.5x (standard included)
- EAX-9810-ADD** C-mount adapter 1x

PHOTO ADAPTERS FOR MODELS AX.xxx8

- EDX-9810** C-mount with 1x magnification for C-mount camera
- EDX-9835** C-mount with high resolution relay 0.35x objective for 1/3 inch C-mount camera
- EDX-9850** C-mount with high resolution relay 0.50x objective for 1/2 inch C-mount camera
- EDX-9863** C-mount with high resolution relay 0.63x objective for 2/3 inch C-mount camera
- EAE-5130** Universal SLR adapter with built-in 2x lens for standard 23.2 mm tube. Needs T2 adapter
- EAE-5025** T2 adapter for Nikon D SLR digital camera
- EAE-5040** T2 adapter for Canon EOS SLR digital camera

MISCELLANEOUS

- EAX-9896-ADD** Nosepiece with 6 objectives ADD-ON option for Achios-X Observer. Only available with the purchase of a new microscope
- EDX-9501-R** Mechanical stage with Gorilla glass. Right handed
- EAX-9702** Green filter
- EAX-9148** Telescope
- EAX-9660** Simple polarization kit



● EAX-5313



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