

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

EYEPIECE

With an extended field of view of 22 mm, the Achios-X Observer proves its usefulness by reducing the need of moving the specimen over the stage, which is highly appreciated in demanding applications

HEADS

An impressive line of heads to choose from:

Apart from the standard Siedentopf trinocular with 30° inclined tubes, there is the optional ergonomic tilting head (0° - 35°), the face-to-face dual head and last but not least, multi-head systems with 2, 3 or 5 heads

OBJECTIVES

The Achios-X observer comes with Infinity corrected achromatic Plan, Plan Phase or Plan Semi-Apochromatic EIS objectives and are 60 mm parfocal and have a 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

ILLUMINATION

By introducing a mirror in the Köhler design of the light source, 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

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



AX.1153-PLi

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

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

ACCESSORIES AND SPARE PARTS

EYEPIECE (Ø 30 MM TUBE)

- AX.6010** Extra WF 10x/22 mm eyepiece
- AX.6010-M** Extra WF 10x/22 mm eyepiece with /micrometer
- AX.6010-CM** Extra WF 10x/22 mm eyepiece with cross hair and micrometer
- AX.6012** Wide field WF 12.5x eyepiece
- AX.6015** Wide field WF 15x eyepiece

PLAN OBJECTIVES

- AX.7204** Infinity EIS 60 mm Plan PLi 4x/0.10 objective, M25 thread. Working distance 30 mm
- AX.7210** Infinity EIS 60 mm Plan PLi 10x/0.25 objective, M25 thread. Working distance 10.2 mm
- AX.7220** Infinity EIS 60 mm Plan PLi 20x/0.40 objective, M25 thread. Working distance 4 mm
- AX.7240** Infinity EIS 60 mm Plan PLi S40x/0.65 objective, M25 thread. Working distance 1.5 mm
- AX.7260** Plan PLi S60/0.80 infinity corrected objective, working distance 0.3 mm
- AX.7200** Infinity EIS 60 mm Plan PLi S100x/1.25 objective, M25 thread. Working distance 0.3 mm

PLAN SEMI-APPOCHROMATIC OBJECTIVES

- AX.7304** Infinity EIS 60 mm Plan Semi-Apochromatic PLi-Apo Fluarex 4x/0.15 objective, M25 thread. Working distance 0.17 mm
- AX.7310** Infinity EIS 60 mm Plan Semi-Apochromatic PLi-Apo Fluarex 10x/0.3 objective, M25 thread. Working distance 15.8 mm
- AX.7320** Infinity EIS 60 mm Plan Semi-Apochromatic PLi-Apo Fluarex 20x/0.5 objective, M25 thread. Working distance 2.7 mm
- AX.7340** Infinity EIS 60 mm Plan Semi-Apochromatic PLi-Apo Fluarex S40x/0.75 objective, M25 thread. Working distance 1.35
- AX.7300** Infinity EIS 60 mm Plan Semi-Apochromatic PLi-Apo Fluarex S100x/1.25 objective, M25 thread. Working distance 0.18 mm

PLAN PHASE CONTRAST OBJECTIVES

- AX.7710** Infinity EIS 60 mm Plan Phase PLPHi S10x/0.10 objective, M25 thread. Working distance 10.2 mm
- AX.7720** Infinity EIS 60 mm Plan Phase PLPHi20x/0.40 objective, M25 thread. Working distance 13.36 mm
- AX.7740** Infinity EIS 60 mm Plan Phase PLPHi S40x/0.65 objective, M25 thread. Working distance 0.7 mm
- AX.7700** Infinity EIS 60 mm Plan Phase PLPHi S100x/1.25 objective, M25 thread. Working distance 0.22 mm

MISCELLANEOUS

- AX.9896-ADD** 6 objectives nosepiece for Achios-X Observer. Only available with the purchase of a new microscope as ADD-ON option
- AX.5513-ADD** Siedentopf trinocular head with 100:0 / 0:100 phototube for Achios-X observer. Only available with the purchase of a new microscope as ADD-ON option
- AX.9105** Abbe Condenser 0.9/1.25 swing-out
- AX.9112** Dark field condenser (Oil-immersion)
- AX.9110** Dark field condenser (Dry)
- AX.9660** Simple polarization kit
- AX.9810** C-mount with 1x magnification for C-mount camera
- AX.9850** C-mount with 0.50x objective for 1/2 inch C-mount camera