

Delphi-X Observer



Brand: Euromex

Product Code: AC006EM

Availability: In Stock

Call for Price: +2 01000 6546

Short Description

State-of-the-art microscopes for advanced Life Science applications.

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State-of-the-art microscopes for advanced Life Science applications.

The outstanding optical performance of the Delphi-X Observer™ with 25 mm fields of view and high numerical aperture of the Plan 60 mm parafoal EIS objectives enables perfect observations and color rendering at high resolving power. This is the perfect microscope for anatomo-pathologists



Icons are used to indicate the several functions of a microscope

[Click](#) and find more details about the meaning of each icon

Models

Models with trinocular (ergonomic tilting) head

MODEL	ErgonomiS	SWF c tilting head	10x/25 mm eyepieces	Sextuple noise piece	Plan 4/10 /20/S40/ S100x oil EIS objec tives	Plan i-Apo 4/1 Phase 10/S40/ S100x oil EIS objec tives	Sem Plan 4/1 Phase 10/S40/ S100x oil EIS objec tives	3 W Neo LED™ Köhler	100 W 24 V halogen Köhler
DX.1153 ?PLi			•	•	•			•	
DX.1158 ?PLi	•		•	•	•			•	
DX.1153 ?APLi			•	•		•		•	
DX.1158 ?APLi	•		•	•		•		•	
DX.1153 ?PLPHi			•	•			•	•	
DX.1158 ?PLPHi	•		•	•			•	•	
DX.2153 ?PLi			•	•	•				•
DX.2158 ?PLi	•		•	•	•				•
DX.2153 ?APLi			•	•		•			•
DX.2158 ?APLi	•		•	•		•			•
DX.2153 ?PLPHi			•	•			•		•
DX.2158 ?PLPHi	•		•	•			•		•

Face-to-face dual head systems

MODEL	Total users	Trinocular head SWF 10x/25 mm eye pieces	Binocular head SWF 10x/22 mm eye pieces	Sextuple noise-piece	Plan 4/1 0/20/S4 oil EIS objectives	Plan Semi-Apo 4/10/20/S40/S100x oil EIS objectives	Plan Phase 10/20/S40/S100x oil EIS objectives	3 W Ne 100 W LED™ 24 V Köhler halogen Köhler
DX.115 2 4?PLi		1x	1x	•	•		•	
DX.115 2 4?APLi		1x	1x	•		•	•	
DX.115 2 4?PLPH i		1x	1x	•			•	•
DX.215 2 4?PLi		1x	1x	•	•			•
DX.215 2 4?APLi		1x	1x	•		•		•
DX.215 2 4?PLPH i		1x	1x	•			•	•

Multihead systems

MODEL	Total users	Trinocular head SWF 10x/25 mm eye pieces	Binocular head SWF 10x/25 mm eye pieces	Sextuple noise-piece	Plan 4/1 0/20/S4 oil EIS objectives	Plan Semi-Apo 4/10/20/S40/S100x oil EIS objectives	Plan Phase 10/20/S40/S100x oil EIS objectives	3 W Ne 100 W LED™ 24 V Köhler halogen Köhler

DX.115 2 6?PLi/2	1x	1		•		•	
DX.115 3 6?PLi/3	1x	2	•	•		•	
DX.115 5 6?PLi/5	1x	4	•	•		•	
DX.115 2 6?APLi/ 2	1x	1	•		•	•	
DX.115 3 6?APLi/ 3	1x	2	•		•	•	
DX.115 5 6?APLi/ 5	1x	4	•		•	•	
DX.115 2 6?PLPH i/2	1x	1	•			•	•
DX.115 3 6?PLPH i/3	1x	2	•			•	•
DX.115 5 6?PLPH i/5	1x	4	•			•	•
DX.215 2 6?PLi/2	1x	1	•	•			•
DX.215 3 6?PLi/3	1x	2	•	•			•
DX.215 5 6?PLi/5	1x	4	•	•			•
DX.215 2 6?APLi/ 2	1x	1	•		•		•
DX.215 3 6?APLi/ 3	1x	2	•		•		•
DX.215 5 6?APLi/ 5	1x	4	•		•		•
DX.215 2 6?PLPH i/2	1x	1	•			•	•

DX.215 3 6?PLPH i/3	1x	2	•		•	•
DX.215 5 6?PLPH i/5	1x	4	•		•	•
DX.215 10 6?PLi/1 0	1x	9 *	•	•		•
DX.215 10 6?APLi/ 10	1x	9 *	•		•	•
DX.215 10 6?PLPH i/10	1x	9 *	•		•	•
DX.115 10 6?PLi/1 0	1x	9 *	•	•		• **
DX.115 10 6?APLi/ 10	1x	9 *	•		•	• **
DX.115 10 6?PLPH i/10	1x	9 *			•	• **

* *The model with 9 binocular heads (10 users) is supplied with EWF 10x/22 mm eyepieces*

** *Supplied with 10 W NeoLED™ Köhler, without iCare sensor*

Specifications

EYEPIECES

- Super Wide field SWF 10x/25 mm, Ø 30 mm tubes
- Extended Wide Field EWF 10x/22 mm, Ø 30 mm tubes



STANDARD HEAD

Siedentopf trinocular with 30° inclined tubes. Interpupillary distance adjustable between 47 and 78 mm. The trinocular standard head has an optical path selector (100:0 / 80:20 / 0:100). Diopter adjustment on both eyepieces.

ERGONOMIC TILTING HEAD

Optional ergonomic 0 to 35° tilting trinocular head supplied with SWF 10x/25 mm eyepieces, interpupillary distance between 47-78 mm and photo tube with standard Ø 23.2 mm tube. The trinocular tilting head has an optical path selector (100:0 / 80:20 / 0:100). Diopter ± 5 adjustments on both eyepieces

MULTIHEAD SYSTEM

The Delphi-X Observer can be extended with a unique multihead system for in total 2, 3, 5 or 10 heads allowing simultaneous observation of specimens. The central attachment is equipped with a trinocular head and with a joystick to move a green or red laser pointer across the entire field of views of all heads.

The multihead systems with two, three or five heads and 30° inclined tubes are supplied with Super wide field SWF 10x/25 mm eyepieces. The multihead systems with ten heads and 30° inclined tubes have the trinocular main head equipped with Super wide field SWF 10x/25 mm eyepieces and the other nine binocular other heads with Extended wide field EWF 10x/22 mm eyepieces. The Delphi-X Observer™ multihead system with ten heads is supplied without the iCare sensor

Order references:

- DX.2156-xxx/10 (Delphi-X Observer 10 head version is only available with a 100 W halogen illumination)
- DX.1156-xxx/n (NeoLED™ versions). n = total number of heads. xxx = objectives PLi, APLi or PLPHi



(Photo: Multihead system, DX.2156-PLi/10)

FACE-TO-FACE DUAL HEAD SYSTEM

The Delphi-X Observer™ can be supplied with two binocular heads in a face-to-face configuration allowing simultaneous observation by two operators. The main binocular head is equipped with Super wide field SWF 10x/25 mm eyepieces and the second head with EWF 10x/22 mm eyepieces. A joystick enables the operator to move a green or red laser pointer across the entire field of view of both heads

Order reference:

- DX.2154-xxx (100 W halogen versions) or
- DX.1154-xxx (NeoLED™ versions) xxx = objectives PLi, APLi or PLPHi

NOSEPIECE

Revolving sextuple reversed nosepiece on ball-bearings with 25 mm objectives mounting threads

ENHANCED INFINITY SYSTEM (EIS)

The enhanced infinity system (EIS) of the Delphi-X Observer™ consists of Super wide field SFWF 10x25 mm eyepieces, high numerical aperture 60 mm parafocal objectives and a 200 mm focal length tube lens. The 200 mm focal length tube lens reduces the angle of the light rays passing the optics and as a direct result improving significantly the chromatic aberration corrections and contrast. The objectives with larger diameter enable much higher numerical apertures improving the overall resolving power of the optical system.

For all these reasons the Delphi-X Observer™ offers superior optical performance for the

most demanding applications

All optics are anti-fungus treated and anti-reflection coated for maximum light throughput.

The S40x, S50x, S60x and S100x objectives are spring loaded

OBJECTIVES (clinical routine laboratories)

The Delphi-X Observer™ is standard supplied with Plan Achromatic 4x/0.10, 10x/0.25, 20x/0.40, S40x/0.65 and S100x/1.25 oil immersion infinity corrected EIS objectives

(Optional: 2x/0.06 working distance 7.5 mm, S50x/0.95 (oil immersion) working distance 0.19 mm and S60x/0.80 working distance 0.30 mm)

OBJECTIVES (anatomy- and histopathology laboratories)

The Delphi-X Observer™ can also be supplied with Plan Semi-Apochromatic Fluarex 4x/0.13, 10x/0.30, 20x/0.50, S40x/0.75 and S100x/1.30 (oil immersion) 0.15 mm infinity corrected EIS objectives

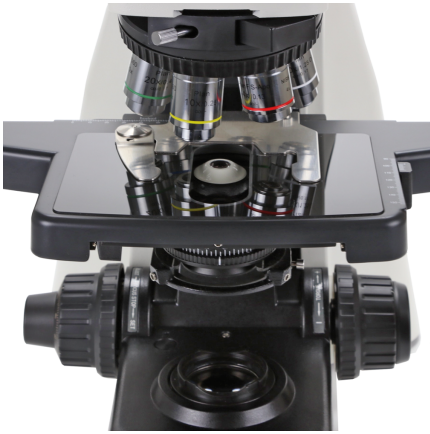
OBJECTIVES (phase contrast)

Plan Phase EIS 10x/0.25, 20x/0.40, S40x/0.65 and S100x/1.25 (oil immersion) infinity corrected EIS objectives

OBJECTIVES

Plan PLi EIS	2x/0.06 ⁽¹⁾	4x/0.10	10x/0.25	20x/0.40	S40x/0.65	S50x/0.95 oil ⁽¹⁾	S60x/0.80 ⁽¹⁾	S100x/1.25 oil	S100x/1.25 oil iris ⁽¹⁾
Plan Phase PLPHi EIS			10x/0.26	20x/0.41	S40x/0.66			S100x/1.25 oil	
Plan Semi-Apochromatic PLi-Apo EIS		4x/0.13	10x/0.30	20x/0.50	S40x/0.75			S100x/1.30 oil	

(1) Optional



STAGE

190 x 152 mm stage with 78 x 32 mm integrated right-handed mechanical stage. Standard supplied with robust and scratch-resistant Gorilla glass. Left-handed mechanical stage available on request (*Order reference: Add -L to product number*).

- (*Optional: Sapphire glass available on request*)

FOCUSING

Coaxial coarse and fine adjustment, 100 graduations, 1 μm precision, 100 μm per rotation, total travel range is approximately 35 mm. Supplied with an adjustable rack stop to prevent damage to sample and objectives. The coarse adjustments are equipped with friction control. The focusing knobs can be switched from left to right according to the user's preference

CONDENSER (for brightfield)

In height adjustable N.A. 0.90/1.25 Abbe swing-out condenser with numerical aperture identification marks

CONDENSER (for phase contrast)

In height adjustable N.A. 1.25 Zernike phase contrast condenser with phase annuli for 10/20/40x and S100x-oil objectives. To be used with the phase contrast objectives

DIASCOPIC ILLUMINATIONS

Two Köhler illuminations are available for the Delphi-X Observer microscope:

- Diascopic intensity adjustable 3 W NeoLED™ Köhler illumination with internal 100-240 V power supply

- Diascopic intensity adjustable 100 W halogen Köhler illumination with internal 100-240 V power supply

The diascopic halogen illumination comes with two push-in/push-out neutral density filters for smooth attenuation of the light intensity for all kind of samples. The diascopic NeoLED™ illumination comes with one neutral density filter

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 three main benefits:

- More oblique light from the LED lightsource 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 systems of the microscope to produce images at higher resolutions, very close to the theoretical diffraction limit of the optics



ICARE SENSOR

The unique iCare Sensor is developed to avoid unnecessary loss of energy.

The illumination of the microscope automatically switches off shortly after microscopists step away from their position

CARRYING GRIP

The carrying grip at the back of the microscope ensures safe transportation of the microscope and the integrated tool & holder makes sure the right tool is always available

PACKAGE CONTENT

Supplied with power cord, dust cover, a spare fuse, user manual and 5 ml immersion oil. All packed in a polystyrene box.



CONFIGURATIONS

The Delphi-X Observer microscope is also available as fluorescence model

Product Gallery



