

Delphi-X Observer

HIGHLIGHTS

- Microscope for Life Sciences
- 25 mm field of view eyepieces
- Plan IOS super contrast objectives
- Plan Phase IOS super contrast objectives
- Plan Semi Apochromatic IOS super contrast objectives
- Diascopic 3 W NeoLED™ illumination
- 10 years warranty

TECHNICAL SPECIFICATIONS EYEPIECE(S)

- DIN Super Wide field SWF 10x/25 mm, Ø 30 mm

HEAD

- Siedentopf trinocular with 30° inclined tubes
- Interpupillary distance adjustable between 47 and 78 mm
- Diopter adjustment on both eyepieces
- 3-position beam splitter (0:100/ 100:0/ 80:20)
- Optional ergonomical tilting head, face-to-face dual head and multihead with 2, 3 or 5 heads

NOSEPIECE

- Revolving sextuple reversed nosepiece on ball-bearings

OBJECTIVES (CLINICAL ROUTINE LABORATORIES)

- Infinity corrected achromatic Plan Achromatic IOS
4x/0.10 WD 30 mm, 10x/0.25 WD 20.1 mm, 20x/0.40 WD 6.4 mm, S40x/0.65 WD 0.7 mm, S100x/1.25 WD 0.2 mm objectives
- Optional S50x/0.95 WD 0.19 mm and S60x/0.80 WD 0.30 mm

OBJECTIVES (ANATOMY- AND HISTOPATHOLOGY LABORATORIES)

- Infinity corrected achromatic Plan Semi Apochromatic IOS
4x/0.13 WD 16.5 mm, 10x/0.30 WD 8.1 mm, 20x/0.50 WD 2.1 mm, S40x/0.75 WD 0.70 mm, S100x/1.30 WD 0.15 mm objectives
- The S40x, S60x and S100x objectives are spring loaded
- All optics are anti-fungus treated and anti-reflection coated for maximum light throughput

STAGE

- 190 mm x 152 mm stage with 78 mm x 32 mm integrated right-handed mechanical stage
- Double clip specimen holder
- Left-handed mechanical stage available on request (*Add -L to product number*)
- Standard supplied with hardened glass
- Optional Sapphire glass available on request

CONDENSER

- In height adjustable N.A. 0.90/1.25 Abbe swing-out condenser

FOCUSING

- Coaxial coarse and fine adjustments
- Supplied with an adjustable rack stop to prevent damage to sample and objectives
- The coarse adjustments are equipped with friction control

DIASCOPIIC ILLUMINATION

- Diascopic intensity adjustable 3 W NeoLED™ illumination with internal 100-240 V power supply
- Diascopic intensity adjustable 30 W halogen illumination with internal 100-240 V power supply



DX.1153-Pli



3-Position beam splitter



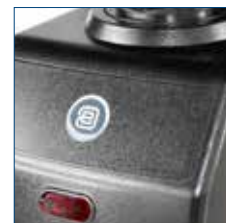
Revolving sextuple reversed
nosepiece. Optional:
Stage with Sapphire glass

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

PACKAGING

- Supplied with power cord, dust cover, a spare fuse, user manual and 5 ml immersion oil
- LED versions supplied with white and yellow filter and halogen models with blue filter
- All packed in a polystyrene box



Built-in LED ring light
SB.3903

MODELS

	Trinocular	SWF 10x 25mm eyepieces	Sextuple nosepiece	Plan 4/20/10/S40/S100-oil IOS objectives	Plan Semi Apochromatic 4/10/20/S40/S100-oil IOS objectives	Plan Phase 10/20/S40/S100-oil IOS objectives	NeoLED Köhler	Halogen Köhler
DX.1153-PLi	•	•	•	•			•	
DX.1153-APLi	•	•	•		•		•	
DX.1153-PLPHi	•	•	•			•	•	
DX.2153-PLi	•	•	•	•				•
DX.2153-APLi	•	•	•		•			•
DX.2153-PLPHi	•	•	•			•		•

ACCESSORIES AND SPARE PARTS

DX.6010	HWF 10x/25 mm eyepiece	DX.7340	Plan semi apochromatic PL-Apo S40x/0.75 infinity corrected objective. Working distance 0.7 mm
DX.6015	HWF 15x/16 mm eyepiece	DX.7300	Plan semi apochromatic PL-Apo S100x/1.3 infinity corrected objective. Working distance 0.15 mm
DX.6020	HWF 20x/12 mm eyepiece	DX.7710	Plan Phase PLPH 10x/0.25 infinity corrected objective
DX.6010-C	HWF 10x/25 mm eyepiece with micrometer	DX.7720	Plan Phase PLPH 20x/0.40 infinity corrected objective
DX.6099	Pair of eyecups	DX.7740	Plan Phase PLPH 40x/0.65 infinity corrected objective
DX.6099-L	Pair eyecups for eyepieces (large)	DX.7700	Plan Phase PLPH 100x/1.25 infinity corrected objective
DX.7202	Plan achromatic PL 2x/0.06 infinity corrected objective. Working distance 7.5 mm	DX.9105	Abbe condenser 0.9/1.25 with swing-out front lens
DX.7204	Plan achromatic PL 4x/0.10 infinity corrected objective. Working distance 30 mm	DX.9126	Zernike phase contrast set with Plan Phase PLPH 10/20/S40/S100x objectives, phase contrast condenser and telescope
DX.7210	Plan achromatic PL 10x/0.25 infinity corrected objective. Working distance 10.2 mm	DX.9140	Zernike Phase contrast Abbe condenser w 4 phase annuli
DX.7220	Plan achromatic PL 20x/0.40 infinity corrected objective. Working distance 12 mm	DX.9148	Telescope for phase contrast alignment 30 mm
DX.7240	Plan achromatic PL S40x/0.65 infinity corrected objective. Working distance 0.7 mm	DX.9704	Yellow filters Ø 45 mm
DX.7250	Plan achromatic PL S50x/0.95 infinity corrected objective. Working distance 0.19 mm	DX.9993	3 W LED replacement unit/kit
DX.7260	Plan achromatic PL S60x/0.80 infinity corrected objective. Working distance 0.3 mm	AE.5130	Universal SLR adapter with built-in 2x lens for standard 23.2 mm tube. Needs T2 adapter
DX.7200	Plan achromatic PL S100x/1.25 oil immersion infinity corrected objective. Working distance 0.2 mm	AE.5025	T2 adapter for Nikon SLR camera
DX.7200-I	Plan achromatic PL S100x/1.25 oil immersion infinity corrected objective with built-in Iris diaphragm. Working distance 0.2 mm	AE.5040	T2 adapter for Canon EOS SLR camera
DX.7304	Plan semi apochromatic PL-Apo 4x/0.13 infinity corrected objective. Working distance 16.5 mm	PB.5155	Microscope slides 76 x 26 mm, ground edges, 50 pieces
DX.7310	Plan semi apochromatic PL-Apo 10x/0.30 infinity corrected objective. Working distance 8.1 mm	PB.5165	Cover glasses 18 x 18 mm, 0.13-0.17 mm, 100 pieces
DX.7320	Plan semi apochromatic PL-Apo 20x/0.50 infinity corrected objective. Working distance 2.1 mm	PB.5255	Immersion oil, 25 ml. Refraction index n = 1,482
		PB.5274	Iso propyl alcohol 99%, 200 ml
		PB.5275	Cleaning kit: lens fluid, lint free lens tissue/paper, brush, air blower, cotton swabs