

iScope



Brand: Euromex

Product Code: AC005EM

Availability: 2 - 3 Days

Call for Price: +2 01000 6546

Short Description

iScope - A masterpiece in microscopy, The iScope is available in various configurations suitable for Life and Biomedical Sciences, high schools, universities but also for routine medical applications

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iScope - A masterpiece in microscopy

The iScope is available in various configurations suitable for Life and Biomedical Sciences, high schools, universities but also for routine medical applications

Besides the brightfield contrast method, configurations for phase contrast, cardioid mirror darkfield, basic polarization and several epi-illumination sources for fluorescence applications can be used. iScope models with multiheads are also available for teaching purposes

Check out the product video

[vimeo id="152429959"][/vimeo]



Icons are used to indicate the several functions of a microscope.

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

Models

iScope for Life Science (Finity models)

MODEL	Binocular	Trinocular	Phase contrast	EWF 10x20 mm	E-plan objectives	Plan phase objectives	Mechanical stage (156 x 138 mm)	Care Sensor
IS.1152? • EPL				•	•		•	•
IS.1153? • EPL		•		•	•		•	•
IS.1152? • PLPH			•	•		•	•	•
IS.1153? • PLPH		•	•	•		•	•	•

iScope for Life Science (Infinity - Ergonomic tilting head)

MODE LS	Binocul ar	Phase contrast	EWF 10x20 mm	EWF 10x22 mm	E-plan IOS obj ective	Plan IOS obj ectives	Plan phase IOS obj ectives	Rackles s stage (187/23 0 x 140 mm)	iCare Sensor	Köhler LED
IS.1158 ?EPLi	•		•		•			•	•	
IS.1159 ?EPLi	•		•		•			•	•	
IS.1158 ?PLi	•		•			•		•	•	•
IS.1159 ?PLi	•		•			•		•	•	•
IS.1158 ?PLPHi	•	•		•			•	•	•	•
IS.1159 ?PLPHi	•	•		•			•	•	•	•

iScope for Life Science (Infinity models)

MODE LS	Binocul ar	Trinocu lar	Phase contrast	EWF 10x22 mm	E-plan IOS obj ective	Plan IOS obj ectives	Plan phase IOS obj ectives	Rackles s stage (187/23 0 x 140 mm)	iCare Sensor	Köhler LED
IS.1152 ?EPLi	•			•	•			•	•	
IS.1153 ?EPLi	•	•		•	•			•	•	
IS.1152 ?PLi	•			•(1)		•		•	•	•
IS.1153 ?PLi	•	•		•(1)		•		•	•	•
IS.1152 ?PLPHi	•		•	•(1)			•	•	•	•

IS.1153	•	•	•(1)	•	•	•	•
PLPHi							

(1) Two tubes with diopter adjustments

iScope for Life Science (Multihead systems)

MODEL S	Total users	Binocular	Trinocular	EWF 10x20 mm	Plan IOS objectives	Rackless stage (187/230 x 140 mm)	iCare sensor	Köhler LED
IS.1156? PLi2	2	1x	•	•	•	•	•	•
IS.1156? PLi3	3	2x	•	•	•	•	•	•
IS.1156? PLi5	5	4x	•	•	•	•	•	•
IS.1156? PLi9	9	8	•	•	•	•	•	•

iScope for Life Science (Face-to-face dual head system)

MODEL S	Total users	Binocular EWF 10x/20 mm	Trinocular EWF 10x/22	E-Plan IOS objectives	Plan IOS objectives	Mechanical rackless stage	iCare sensor	Köhler LED
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			mm			(187/230 x 140 mm)		
IS.1154?	2	2x	•		•	•	•	•
PLi								
IS.1154?	2	2x	•	•		•	•	
EPLi								

iScope for Life Science (Darkfield contrast application)

MODEL	Trinocul	Darkfiel	EWf	EWf	E-plan o	Plan	Mechani	iCare	Köhler
S	ar	d	10x20 mm	10x22 mm	bjective	IOS obje	cal rackless stage	sensor	LED
IS.1153	•	•		•		•	•	•	•
?PLi?									
F									
IS.1153	•	•		•		•	•	•	•
?PLi?									
Fi									
IS.1153	•	•	•		•			•	
?EPL/D									
F									

Specifications

EYEPIECES

- Extended Wide Field EWF plan 10x eyepieces with 20 mm field of view and adjustable diopter on the left eyepiece for finity corrected systems (Ø 23.2 mm tube)
- Extended Wide Field HWF plan 10x eyepieces with 22 mm field of view and adjustable diopter on both eyepieces for infinity corrected IOS plan and plan phase systems and adjustable diopter on the left tube for EPLi systems (Ø 30 mm tube)

HEAD

Binocular and trinocular Siedentopf type heads with 30° inclined tubes. Interpupillary distance from 48 to 76 mm. The trinocular head comes with a Ø 23.2 mm photo tube The

models with infinity optical IOS system have a unique rotating system allows the ergonomic positioning of both tubes in a high (431 mm) and in a low position (397 mm)

ERGONOMICAL TILTING HEAD

Optional ergonomic 5 to 35° tilting head, interpupillary distance 48-75 mm and optional photo attachment with standard Ø 23.2 mm tube (only infinity corrected models and not suitable for multi head systems)

(To order an iScope with tilting head use reference IS.1158-xxx. For example to order an IS.1152-PLi model with ergonomical tilting head order IS.1158=PLi)



MULTIHEAD SYSTEM

The iScope can be extended with a unique multihead system for in total 2, 3 or 5 heads allowing simultaneous observation of specimens.

The central attachment is equipped with a joystick to move a green and red laser pointer across the entire field of views of all heads. Configurations with one, two or four additional binocular heads, 30° inclined tubes and plan 4x, 10x, S40, S100x oil immersion infinity corrected IOS objectives. The trinocular head is supplied with extended wide field EWF 10x/22 mm eyepieces, each extra binocular head is supplied with extended wide field plan EWF 10x/22 mm eyepieces

Order references: IS.1156-PLi-n, n = total number of heads (Photo right: IS.1156-PLi-3_DC.5000c)



IS.1156-PLi-9_DC.5000c



FACE-TO-FACE DUAL HEAD SYSTEM

The iScope models can now also be equipped with a face-to-face trinocular head for 2 users allowing simultaneous observation

Supplied with 30° inclined tubes and Plan or E-plan 4x, 10x, S40, S100x oil immersion infinity corrected IOS objectives. The central attachment is equipped with a joystick to move a green and red laser pointer across the entire field of views of the 2 heads. The trinocular head is supplied with extended wide field EWF 10x/22 mm eyepieces and the second binocular head is supplied with extended wide field EWF 10x/20 mm eyepieces

Order reference: IS.1154-PLi

OBJECTIVES

E-Plan EPL	4x/0.10	10x/0.25	20x/0.40 ⁽¹⁾	S40x/0.65		S100x/1.25 oil
E-Plan EPLi IOS	4x/0.10	10x/0.25	20x/0.40 ⁽¹⁾	S40x/0.65		S100x/1.25 oil
Plan PLi IOS	4x/0.10	10x/0.25	20x/0.40 ⁽¹⁾	S40x/0.65	S60x/0.85 ⁽¹⁾	S100x/1.25 oil
Plan phase PLPH		10x/0.25	20x/0.40	S40x/0.65		S100x/1.25 oil
Plan phase PLPHi IOS		10x/0.25	20x/0.40	S40x/0.65		S100x/1.25 oil

(1) optional

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

NOSEPIECE

Revolving quintuple reversed nosepiece for max. five objectives

STAGE

The iScope can be equipped with three types of stages:

- 156 x 138 mm stage equipped with integrated 79 x 52 mm X-Y mechanical stage
- 187/230 x 140 mm rackless stage equipped with double slide holder and integrated 79 x 52 mm X-Y mechanical stage. The iScope rackless stage has no protruding parts, enables more smooth movements and is safer
- 220 x 157 mm ceramic stage with integrated 75 x 50 mm X-Y mechanical stage protects with a very tough ceramic surface against marks and scratches. The surface also ensures stray light not to be reflected from the stage into the objective

The iScope can be supplied with a heating stage which can be set up to 50° Celsius by a PID temperature controller. Only available with new purchased microscopes. Higher temperatures can be achieved on special request

CONDENSERS WITH PHASE CONTRAST SLIDER

There is a choice of two optional NA. 1.25 phase contrast condenser sets with phase contrast sliders and plan phase contrast objectives. The first version one is comes with plan phase 10x and S40x objectives with matching slider, the second version comes with plan phase 20x and and S100x oil immersion objectives. Available for iScope 160mm and IOS infinity versions



All sets are supplied with centering telescope and green opaque filter

(Photo: IS.9162 - Phase contrast set)

CONDENSER FOR BRIGHTFIELD

The standard height adjustable Abbe N.A. 1.25 condenser for brightfield accepts sliders with phase annuli suitable for plan phase 10x/20x or S40x/S100x oil immersion IOS objectives for economical phase contrast. With magnification indication. A slider with a simple dark stop for darkfield up to 400x magnification is also available

CONDENSER FOR ZERNIKE CONTRAST

An optional height adjustable Zernike NA. 1.25 phase contrast disc condenser with plan phase 10/20/S40x and S100x oil immersion objectives and darkfield stop position for darkfield contrast up to 400x magnification. Supplied with alignment telescope and green filter



CONDENSER FOR DARKFIELD

A state-of-the-art condenser equipped with reflective cardioid mirrors, a high powered 5 W LED and a S100x objective with built-in iris diaphragm enable a real 1000x magnification darkfield solution. A cardioid darkfield condenser with integrated power supply is only available on following models:

- **IS.1153-EPL/DF**, both with S100x objective with built-in iris diaphragm and economical plan EPL objectives
- **IS.1153-PLi/DF**, both with S100x plan PLi objective with built-in iris diaphragm and plan PLi objectives
- **IS.1153-PLi/DFi**, both with super contrast plan PLi S100x infinity corrected objective with built-in iris diaphragm and plan PL IOS objectives

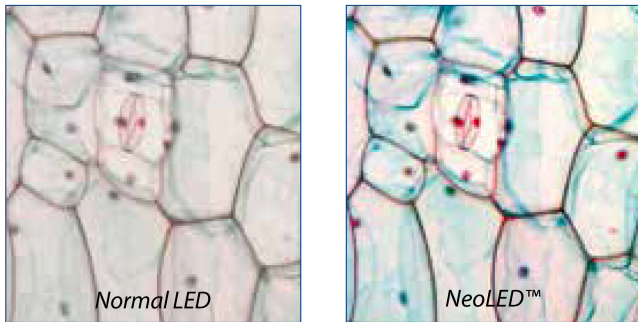
By adding the IS.9150 (darkfield cardioid mirror condenser with external 100-240 V power supply) and the 86.521 (S100x objective with built-in iris diaphragm) or the IS.7200-I (super contrast S100x infinity corrected IOS objective), an existing iScope brightfield microscope can be upgraded to darkfield as well

(Product data sheet iScope models for darkfield, see downloads)

FOCUSING

Coaxial coarse and fine adjustments, 200 graduations, 1 μ m per graduation, 200 μ m per rotation, total travel range is approximately 24 mm. Supplied with an adjustable rack stop to prevent damage to sample and objectives. The coarse adjustments are equipped with friction control

ILLUMINATION



3 W adjustable NeoLED diascope illumination with internal 100-240 V power supply for brightfield and phase contrast models

The innovative NeoLED design offer larger apertures, allowing the optical system of the iScope microscope to produce images at higher resolutions, very close to the theoretical diffraction limit of the optics. Other benefits of the NeoLED is the low energy consumption, no heating and a long operating lifetime

The Köhler illumination on models with IOS plan and plan phase infinity corrected system provides high contrast and a maximum achievable resolving power of the optics. Also available for other models as option

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

CSS - CABLE STORAGE SYSTEM

iScope allows users to easily insert the power cable into the back of the instrument, which enables easy storage. The integrated carrying grip at the back of the microscope ensures safe transportation of the microscope

CONFIGURATIONS

The iScope microscope is available in many configurations and can be upgraded with a variety of contrast types.

- Do you want to see the [standard](#) models?
- Do you want to see the [phase contrast](#) models?
- Do you want to see the [polarisation](#) models?
- Do you want to see the [darkfield](#) models?
- Do you want to see the [fluorescence](#) models?

PACKAGE CONTENT

Supplied with power cord, dust cover, a spare fuse, user manual and 5 ml immersion oil for models with S100x objective. All packed in polystyrene boxes

PRODUCT VIDEO

Check out the product video and learn more about this microscope

[vimeo id="152429959"][/vimeo]

Product Gallery



