iScope® metallurgical

HIGHLIGHTS

- **EWF 10x/20 mm eyepieces**
- **Binocular and trinocular models**
- **Reversed quintuple revolving nosepiece**
- **Infinity corrected IOS objectives for material observation**
- **150 x 140 mm rackless stage equipped with integrated 78 x 53 mm mechanical stage**
- **Epi-NeoLED illumination**
- **Diascopic 3 W NeoLED™ Köhler illumination**
- **iCare sensor for energy saving**
- **CSS - Cable Storage System**
- **10 years warranty**

TECHNICAL SPECIFICATIONS

EYEPIECES

Pair of extended EWF 10x/20 mm (Ø 30 mm tube) eyepieces

HEAD

- Binocular and trinocular Siedentopf type heads with 30° inclined tubes. Interpupillary distance from 48 to 76 mm
- Two ± 5 diopter adjustments
- A unique rotating system allows the ergonomical positioning of both tubes in a high (431 mm) and in a low position (397 mm)
- The trinocular heads' 23,2mm photo tube fits all Euromex cameras and optional photo C-mount objectives.

NOSEPIECE

Revolving quintuple reversed nosepiece on ball bearings

OBJECTIVES

- Plan PLMi infinity corrected objectives for material observation
- All optics are anti-fungus treated and anti-reflection coated for maximum light throughput

Plan PLMi IOS	5x/0.12	10x/0.25	20x/0.40	50x/0.70	S100x/0.80 [(1)]

[(1)] *Optional objectives*

STAGES

150 x 140 mm rackless stage equipped with double slide holder and integrated 78 x 53 mm mechanical stage. Supplied with a plain metal and plain glass inserts

STANDARD CONDENSERS

- Standard height adjustable Abbe N.A. 1.25 condenser with iris diaphragm
- Suitable for slider with darkfield stop for magnifications up to a maximum of 400x
- Optional height adjustable Abbe N.A. 0.9/1.25 swing-out condenser with iris diaphragm

● IS. 1053-PLMi

FOCUSING

- Coaxial coarse and fine adjustments, 200 graduations, 1 µm per graduation, 200 µm per rotation, total travel approximately 24 mm and is supplied with an adjustable rack stop to prevent damage to sample and objectives.
- The coarse adjustment is equipped with friction control

REFLECTED ILLUMINATION

- Metallurgical models are equipped with a reflected NeoLED™ illumination and external 100-240 V power supply
- Supplied with a 0-90° polarization filter in slider, simple dark field stop, white, green, blue and yellow filters

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 backside of the instrument, which enables easy storage

CARRYING GRIP

The integrated carrying grip at the back of the microscope ensure the safe transportation of the microscope

PACKAGE CONTENT

Supplied with power cord, dust cover, spare fuse where available and user manual. All packed in polystyrene boxes

MODELS	Binocular	Trinocular	EWF 10x/20 mm	Plan PLMi 5x/10x/20x/ S50x IOS objectives [1]	Mechanical rackless stage	Abbe condenser	Köhler 3 W LED	Metallurgical attachment with NeoLED™ epi-illumination
IS.1052-PLMi	•		•	•	•	•	•	•
IS.1053-PLMi		•	•	•	•	•	•	•

[1] *Objectives without cover glass correction*

The reflected illumination attachment is supplied with a 0-90° polarizer mounted in a slider, a fixed analyzer in slider, a white, yellow and blue filter, all mounted in a slider. External 100-240 Vac/ 7.5 Dc power adapter

ACCESSORIES AND SPARE PARTS

IS.6210 EWF 10x/22 mm eyepiece (Ø 30mm tube)

IS.6210-C EWF 10x/22 mm eyepiece with cross hair (Ø30 mm tube)

IS.6210-P EWF 10x/22 mm eyepiece with pointer (Ø30 mm tube)

IS.6210-CM EWF 10x/22 mm eyepiece with 10/100 micrometer and cross hair (Ø30 mm tube)

IS.6212 WF 12.5x/17 mm eyepiece (Ø30 mm tube)

IS.6215 WF 15x/16 mm eyepiece (Ø30 mm tube)

IS.6220 WF 20x/12 mm eyepiece (Ø30 mm tube)

IS.6299 Pair of eyecups for infinity corrected iScope® models

IS.8105 Plan PLMi 4x/0.12 IOS objective without 0.17 mm cover glass correction. WD 15.5 mm

IS.8110 Plan PLMi 10x/0.25 IOS objective without 0.17 mm cover glass correction. WD 10 mm

IS.8120 Plan PLMi 20x/0.40 IOS objective without 0.17 mm cover glass correction. WD 5.8 mm

IS.8150 Plan PLMi S50x/0.70 IOS objective without 0.17 mm cover glass correction. WD 0.32 mm

IS.8100 Plan PLMi S100x/0.80 IOS objective without 0.17 mm cover glass correction. WD 2 mm

IS.9700 Blue filter 45 mm for lamphouse

IS.9702 Green filter 45 mm for lamphouse

IS.9704 Yellow filter 45 mm for lamphouse

IS.9706 White opaque filter 45 mm for lamphouse

SL.5503 3 W NeoLED™ replacement unit

IS.9230 Reflected NeoLED™ epi-illumination attachment with for materials science with 5x, 10x, 20x and S50x objectives. Supplied with a 0-90° polarizer mounted in a slider, a fixed analyzer in slider, a white, yellow and blue filter, all mounted in a slider. With external 100-240 Vac/ 7.5 Vdc power adapter

IS.9720 Blue filter in slider

IS.9722 Green filter in slider

IS.9724 Yellow filter in slider

IS.9726 White filter in slider

IS.9727 Polarizer 0-90° in slider for materials science attachment (IS.9230)

IS.9728 Analyzer 0-360° rotatable in slider for materials science attachment (IS.9230)

IS.9731 Slider with green and blue filters

IS.9515 Metal plain insert for mechanical stage

IS.9518 Glass plain insert for mechanical stage

AE.5130 Universal SLR adapter with built-in 2x lens without T2 ring. For standard 23.2 mm tube

AE.5040 T2 ring for Canon EOS SLR digital camera

AE.5025 T2 ring for Nikon D SLR digital camera

IS.9522 Optional 30 x 40 mm X-Y mechanical stage for round polarization stage

PB.5155 Microscope slides 76 x 26 mm, ground edges, 50 pieces

PB.5165 Cover glasses 18 x 18 mm, thickness 0.13 - 0.17 mm, 100 pieces

PB.5168 Cover glasses 22 x 22 mm, thickness 0.13 - 0.17 mm, 100 pieces

PB.5245 Lens cleaning paper, 100 sheets per pack

PB.5255 Immersion oil, n = 1.482 (25 ml)

PB.5274 Cleaning liquid, isopropanol alcohol 99% (200 ml)

PB.5275 Cleaning kit: lens cleaning fluid, lint free lens tissue, brush, air blower and cotton swabs

Management System ISO 9001:2008
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