

# iScope® for asbestos research

## HIGHLIGHTS

- HWF 12.5x/15 mm eyepieces
- Binocular and trinocular models
- Reversed quintuple revolving nosepiece
- Infinity corrected IOS objectives for asbestos research
- 216 x 150 mm rackless stage equipped with integrated 79 x 52 mm mechanical stage
- Diascopic 3 W NeoLED™ Köhler illumination
- iCare sensor for energy saving
- CSS - Cable Storage System
- 10 years warranty

## TECHNICAL SPECIFICATIONS

### EYEPIECES

Supplied with HWF 12.5x/15 mm (Ø 30 mm tube) eyepieces, one includes a Walton-Beckett reticle

### 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 head 23.2 mm tube fits optional photo C-mount adapters with built-in 0.33x/0.35x, 0.5x or 0.75x objective

### NOSEPIECE

Revolving quintuple reversed nosepiece on ball bearings

### OBJECTIVES

Plan PLi infinity corrected objectives for asbestos research microscopes except the S40x which is a plan phase contrast PLPHi infinity corrected objective

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

Plan PLi IOS	4x/0.10	10x/0.25	20x/0.40 <sup>1)</sup>	S60x/0.85 <sup>1)</sup>	S100x/1.25 <sup>1)</sup>
Plan PLPHi IOS			PLPHi		S40x/0.65

<sup>1)</sup> Optional objectives

### STAGE

The iScope® rackless stage has no protruding parts, enables more smooth movements and is safer working



• IS.1053-PLAi

**IS.1152-PLAi**  
408 (h) x 210 (w) x 255 (d) mm | 9.0 kg

### CONDENSER

Height adjustable Abbe 1.25 phase contrast condenser supplied with slider with 10/40 annuli, green filter and alignment telescope

### 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

### 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 green filter, phase centering telescope, power cord, dust cover, spare fuse where available and user manual. All packed in polystyrene boxes

MODELS	Binocular	Trinocular	HWF 12.5x/15 mm	HWF 12.5x/15 mm, with Walton-Beckett	Plan PLI 4/10x objectives*	Plan phase PLPHi S40x objectives	Phase contrast condenser	Mechanical rackless stage	iCare Sensor	Köhler LED
IS.1052-PLAi	•		•	•	•	•	•	•	•	•
IS.1053-PLAi		•	•	•	•	•	•	•	•	•

\* Cover glass correction

## ACCESSORIES AND SPARE PARTS

### EYEPIECES

- IS.6310** EWF 10x/20 mm eyepiece, Ø 30 mm tube
- IS.6310-C** EWF 10x/20 mm eyepiece with crosshairs, Ø 30mm tube
- IS.6310-CM** EWF 10x/20 mm eyepiece with 10/100 micrometer and crosshairs, Ø 30mm tube
- IS.6212** WF12.5x/15 mm eyepiece, Ø 30 mm tube
- IS.6212-W** WF12.5x/15 mm eyepiece, Ø 30 mm tube with Walton Beckett reticle
- IS.6215** WF15x/16 mm eyepiece, Ø 30 mm tube
- IS.6220** WF20x/12 mm eyepiece, Ø 30 mm tube
- IS.6299** Pair of eyecups, Ø 30 mm tube

### OBJECTIVES

- IS.8910** Plan PLPHi 10x/0.25 phase contrast IOS infinity corrected objective
- IS.8940** Plan PLPHi S40x/0.65 phase contrast IOS infinity corrected objective

### PHASE CONTRAST

- IS.9163** Phase contrast slider set with 20x and S100x oil PLPHi IOS infinity corrected objectives and annuli for 20x/S100x oil
- IS.9194** Slider with phase contrast annuli for S40 phase contrast objective
- IS.9148** Telescope for phase contrast

### POLARIZATION ATTACHMENTS

- IS.9600** Polarization filter 45 mm for lamp house
- IS.9601** Polarization set for iScope: simple rotating polarizer for lamp house and fix polarizer mounted under head

### FILTERS

- IS.9700** Blue opaque filter, 45 mm for lamp house
- IS.9702** Green opaque filter, 45 mm for lamp house
- IS.9704** Yellow opaque filter, 45 mm for lamp house
- IS.9706** White opaque filter, 45 mm for lamp house

### CAMERA ACCESSORIES

- IS.9800** Single photo tube attachment with one 23.2 mm tube for IS.5700 ergonomic tilting head of iScope® infinity systems
- AE.5130** Universal Ø 23.2 mm tube adapter with built-in 2x lens for SLR photo camera with APS-C sensor. Needs T2 adapter
- AE.5025** T2 ring for Nikon D SLR digital camera
- AE.5040** T2 ring for Canon EOS SLR digital camera

### MISCELLANEOUS

- IS.5700** Ergonomic tilting head 5 to 35°. Only iScope infinity systems
- IS.9170** Slider with dark field stop
- IS.9993** NeoLED™ replacement unit
- IS.9600** Polarization filter 45 mm for lamp house
- IS.9880** Köhler attachment
- IS.9975** External power supply for metallurgical attachment (IS.9230)

### DISPOSABLES

- PB.5155** Microscope slides 76 x 26 mm, ground edges, 50 pieces per pack
- PB.5165** Cover glasses 18 x 18 mm, 0.13-0.17 mm, 100 pieces
- PB.5168** Cover glasses 22 x 22 mm, 0.13-0.17 mm, with cavity depth 0.25 mm. 100 pieces
- PB.5255** Immersion oil, 25 ml. Refraction index n = 1.515
- PB.5274** Iso propyl alcohol 99%, 200 ml
- PB.5245** Lens cleaning paper, 100 sheets per pack
- PB.5275** Cleaning kit: lens fluid, lint free lens tissue paper, brush, air blower, cotton swabs
- AE.3684** Glass fuses 500 mA 250 V, 10 pieces



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