

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




● IS.1053-PLAi

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 ergonomic 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 ¹⁾	PLPHi	S60x/0.85 ¹⁾	S100x/1.25 ¹⁾
				S40x/0.65		

¹⁾ Optional objectives

STAGE

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

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		•	•	•	•	•	•	•	•	•

ACCESSORIES AND SPARE PARTS

IS.6210	EWF 10x/22 mm eyepiece, Ø 30 mm tube	SL.5500	NeoLED™ replacement unit
IS.6210-CM	EWF 10x/22 mm eyepiece, Ø 30 mm tube with 10/100 micrometer and cross hair	IS.9993	NeoLED™ replacement unit
IS.6215	WF15x/16 mm eyepiece, Ø 30 mm tube	AE.3684	T500 mA 250 V Fuses
IS.6220	WF20x/12 mm eyepiece, Ø 30 mm tube	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
IS.6212	WF 12.5x/17 mm eyepiece, Ø 30 mm tube	AE.5025	T2 ring for Nikon D SLR digital camera
IS.6212-W	WF12.5x/17 mm eyepiece, Ø 30 mm tube with Walton-Beckett reticle	AE.5040	T2 ring for Canon EOS SLR digital camera
IS.9163	Phase contrast slider set with 20x and S100x oil PLPHi IOS infinity corrected objectives and annuli for 20x/S100x oil	PB.5155	Microscope slides 76 x 26 mm, ground edges, 50 pieces
IS.9194	Slider with phase contrast annuli for S40 phase contrast objective	PB.5165	Cover glasses 18 x 18 mm, thickness 0.13-0.17 mm, 100 pieces
IS.8910	Plan PLPHi 10x/0.25 phase contrast IOS infinity corrected objective	PB.5168	Cover glasses 22 x 22 mm, thickness 0.13-0.17 mm, 100 pieces
IS.8940	Plan PLPHi S40x/0.65 phase contrast IOS infinity corrected objective	PB.5245	Lens cleaning paper, 100 sheets per pack
IS.9148	Telescope for phase contrast	PB.5255	Immersion oil (25 ml). n = 1.482
IS.9600	Polarization filter, 45 mm for lamp house	PB.5274	Isopropyl alcohol 99% (200 ml)
IS.9700	Blue opaque filter, 45 mm for lamp house	PB.5275	Cleaning kit: lens cleaning fluid, lint free lens tissue/paper, brush, air blower, cotton swabs
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		