

iScope® polarization

HIGHLIGHTS

- EWF 10x/20 mm and EWF 10x/22 mm eyepieces
- Binocular and trinocular models
- Reversed quintuple revolving nosepiece
- Infinity corrected IOS objectives for material observation, polarization and asbestos research
- 216 x 150 mm rackless stage equipped with integrated 79 x 52 mm mechanical stage
- Ø 160 mm rotatable round stage for polarization models
- Diascopic 3 W NeoLED™ Köhler illumination
- Epi-illumination 50 W for polarization models
- iCare sensor for energy saving
- CSS - Cable Storage System
- 10 years warranty



IS.1053-PLPOLRi

TECHNICAL SPECIFICATIONS

EYEPIECE(S)

- The metallurgical models are supplied with extended EWF 10x/20 mm (Ø 23.2 mm tube) eyepieces
- Polarization models are supplied with a pair of EWF 10x/22 mm (Ø 30 mm tube) eyepieces, one eyepiece with cross hair and one eyepiece with a cross hair and micrometer reticle
- Specific models for asbestos identification are supplied with HWF 12.5x/15 mm (Ø 30 mm tube) eyepieces and 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 or 0.5x objective

NOSEPIECE

- Revolving quintuple reversed nosepiece on ball bearings

OBJECTIVES

- Plan PLPOLi strain free infinity corrected objectives for polarisation
- All optics are anti-fungus treated and anti-reflection coated for maximum light throughput

Plan PLPOLi IOS	4x/0.10	10x/0.25	20x/0.40	S40x/0.65	S60x/0.85	S100x/1.25 ⁽¹⁾
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(1) Optional objectives

STAGES

- An optional 30 x 40 mm X-Y mechanical stage is available

CONDENSER

- Height adjustable Abbe N.A. 1.25 condenser with iris diaphragm and 360° rotatable polarizer

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