Rev: 03



Model:
TL384 POL - 630-1936

Typology:
ROUTINE MICROSCOPE

Description:
Educational and laboratory microscope for routine applications.
Dye-cast frame, with high stability and ergonomy, for transmitted light observation.

Illumination	Light source type P-LED^3 ; light intensity control using a knob on left side of the frame. LED power 3.6W, comparable to a 50W halogen bulb. Color temperature: 6300K LED average lifetime: approx. 50000h. Input Voltage: 110/230Vac, 50/60Hz Max. required power: 7W
Observation modes	Brightfield. Polarized light.
Focusing	Coaxial coarse and fine focusing mechanism (graduated, 0.002mm) with upper stop, to prevent the contact between objective and specimen. Adjustable tension of coarse focusing knob.
Stage	Rotatable stage with locking mechanism and vernier scale with accuracy 0,1 mm. Diameter 160 mm. Specimen slide clamps.
Nosepiece	Quadruple revolving nosepiece, rotation on ball bearings. Centering system for each objective.
Head	Trinocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on both eyepieces. Interpupillary adjustment 48-75 mm. Fixed photo port, 50/50 ratio.
Eyepieces	Widefield eyepieces WF10X/20 with field number 20. One of the eyepieces has a cross-hair reticle for optical centering.
Objectives	E-PLAN IOS POL “strain-free”: -) E-PLAN IOS POL 4X, N.A. 0.10, W.D. 16.8 mm -) E-PLAN IOS POL 10X, N.A. 0.25, W.D. 5.8 mm -) E-PLAN IOS POL 40X, N.A. 0.65, W.D. 0.43 mm -) E-PLAN IOS POL 60X, N.A. 0.80, W.D. 0.14 mm All objectives are treated with an anti-fungus treatment.
Condenser	N.A. 1.25, with iris diaphragm, focusable and centrable. With rotating polarizer filter.
Bertrand Lens and Polarization Attachment	Swing-out type with centering mechanism for observation in conoscopy/orthoscopy. Rotatable analyzer from 0° to 90° with graduated scale. Tint plates included: -) 1° order red (λ) -) λ/4 -) Quartz wedge
Dimensions	HEIGHT: 480 mm (without attachment) / 540 mm (with attachment) WIDTH: 210 mm DEPTH: 370 mm WEIGHT: 5 kg
Accessories	Instruction manual and dust cover included.