Rev.05



Model:
TL384 PH - 630-1935

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: 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: 50000h. Power supply: Input 110/240Vac, 50/60Hz; Output 6Vdc 1A Max. required power: 6W
Observation modes	Brightfield, Phase Contrast
Focusing	Coaxial coarse and fine focusing mechanism (graduated, 0.002mm) with upper stop, to prevent the contact between objective and specimen. Flat fine focusing knob on the right side. Adjustable tension of coarse focusing knob.
Stage	Double layer with mechanical sliding stage, size 160x140mm. Anti-scratch surface. Vernier scale on the two axes, accuracy 0,1 mm.
Nosepiece	Quintuple revolving nosepiece, rotation on ball bearings.
Head	Trinocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on left eyepiece. Interpupillary adjustment 48-75 mm. Fixed photo port, 50/50 ratio.
Eyepieces	Widefield eyepieces WF10X/20 with field number 20.
Objectives	160mm PLAN objectives: -) Plan 4X, N.A. 0.10, W.D. 15.8 mm -) Plan 10XPH, N.A. 0.25, W.D. 12.2 mm -) Plan 40XPH, N.A. 0.65, W.D. 0.37 mm -) Plan 100XPH, N.A. 1.25, W.D. 0.13 mm (oil immersion) All objectives have anti-fungus treatment.
Condenser	Phase condenser (10x/20x, 40x, 100x) with darkfield (dry) and brightfield positions
Dimensions	HEIGHT: 480 mm WIDTH: 210 mm DEPTH: 370 mm WEIGHT: 4 kg
Accessories	Centering Telescope included. Instruction manual and dust cover included.