



Model:
T384 FL - 630-1937

Typology:
ROUTINE MICROSCOPE

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

Illumination	<u>Transmitted light:</u> Light source type P-LED³ with manual brightness control. 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 <u>Epi-fluorescence:</u> HBO 100W high pressure mercury bulb. Bulb average lifetime: approx. 400h. Input voltage: 100/240Vac, 50/60Hz Max. required power: 130W
Observation modes	Brightfield, Fluorescence Fluorescence B: EX 460-490, DM 505, EM 515LP Fluorescence G: EX 510-550, DM 570, EM 590LP
Fluorochromes	2 positions fluorescence filter holder: Excitation B: Acridine Yellow, Acridine Orange, Auramine, DiO, DTAF, FITC, GFP, YFP, ecc. Excitation G: DiL; Blu Evans, Feulgen, Rhodamine, Texas Red, TRITC, PI, etc.
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	Double layer mechanical sliding stage, dimensions 216x150mm, moving range 78x54mm. Belt-drive in X direction. 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 both eyepieces. Interpupillary adjustment 48-75 mm. Fixed photo port, 50/50 ratio.
Eyepieces	Widefield eyepieces WF10X/20 with field number 20.
Objectives	E-PLAN objectives IOS (infinity corrected), made by: -) IOS 4X, N.A. 0,10, W.D. 16,8 mm -) IOS 10X, N.A. 0,25, W.D. 5,8 mm -) IOS 20x, N.A. 0,40, W.D. 1,4 mm -) IOS 40X, N.A. 0,65, W.D. 0,43 mm -) IOS 100X, N.A. 1,25, W.D. 0,13 mm (oil immersion) All objectives are treated with an anti-fungus treatment.
Condenser	Abbe condenser, N.A. 1,25 with centering system.
Dimensions	HEIGHT: 480 mm (without attachment) / 592 mm (with attachment) WIDTH: 210 mm DEPTH: 370 mm WEIGHT: 6 kg
Accessories	Instruction manual and dust cover included.