



Model:
TL824 BF - 630-1940

Typology:
RESEARCH MICROSCOPE

Description:

*Laboratory microscope for routine and research applications.
Dye-cast frame, with high stability and ergonomy, for transmitted light observation.*

Illumination	High-efficiency pure white P-LED³. 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: 50.000h. External power supply: Input 100-240Vac 50-60Hz / Output 6Vdc 2,5A Max. required power: 7W
Observation Modes	Brightfield
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. Right fine focus knob "flat type" (for use with fingertip).
Stage	Double-layer mechanical stage with coaxial translation knobs, with belt-drive movement. Dimensions 243 mm x 160 mm. Translation X:100 mm, Y:60 mm. Vernier scale 0,1 mm on both X and Y.
Nosepiece	Sextuple revolving nosepiece, rotation on ball bearings.
Head	Trinocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on left eyepiece. Interpupillary adjustment: 55-75 mm. Photo port split: 100 (eyepieces) / 0 (camera) and 50 (eyepieces) / 50 (camera).
Eyepieces	Wide field eyepieces WF10X/22 with field number 22.
Objectives	Infinity corrected optical system IOS (Infinity Optical System) . IOS Plan objectives: -) Plan-achromatic IOS 4X, N.A. 0.10, W.D. 4.7 mm -) Plan-achromatic IOS 10X, N.A. 0.25, W.D. 4.1 mm -) Plan-achromatic IOS 20X, N.A. 0.40, W.D. 1.25 mm -) Plan-achromatic IOS 40X, N.A. 0.65, W.D. 0.50 mm -) Plan-achromatic IOS 60X, N.A. 0.85, W.D. 0.1 mm -) Plan-achromatic IOS 100X, N.A. 1.25, W.D. 0.08 mm (oil immersion) All objectives are treated with an anti-fungus treatment.
Condenser	Swing-out type, N.A.0.9 with centering system.
Dimensions	HEIGHT: 460 mm WIDTH: 250 mm DEPTH: 394 mm WEIGHT: 10 kg