v 1.1 2018



Model:
TL534 - 630-2943

Typology:
ROUTINE MICROSCOPE

Description:
Laboratory microscope for routine and research 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: 3.6 W, comparable to a 50 W halogen bulb. Color temperature: 6,300 K. LED lifetime: > 65,000 hours. Power supply: Input 110/240 Vac, 50/60 Hz; Output 6 Vdc 2.5 A. Max. required power: 6 W. Köhler illumination system with Field Diaphragm.
Observation Modes	Brightfield.
Focusing	Coaxial coarse and fine focusing mechanism (graduated, 0.002 mm) 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 233x147 mm, X-Y movement range 78x54 mm. Belt-drive in X direction. Vernier scale on 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 (+- 5 diopter adjustment). Interpupillary adjustment 50 - 75 mm. Fixed photo port, 50/50 ratio.
Eyepieces	Plan Extra Wide Field, PL 10x/22, High Eyepoint.
Objectives	Infinity corrected optical system IOS. - IOS W-PLAN 4x/0.10, W.D. 17.3 mm - IOS W-PLAN 10x/0.25, W.D. 10 mm - IOS W-PLAN 40x/0.65, W.D. 0.54 mm - IOS W-PLAN 100x/1.25, W.D. 0.13 mm (oil immersion) All objectives have anti-fungus treatment.
Condenser	Swing-out type condenser, sliding-in, N.A. 0.2/0.9, with centering system.
Dimensions	HEIGHT: 430 mm WIDTH: 255 mm DEPTH: 400 mm WEIGHT: 5 kg
Accessories	Instruction manual and dust cover included.