



Model:

B-383LD1

Typology:

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

Illumination	<u>Transmitted light:</u> Light source type X-LED ³ with manual brightness control.
	<u>Epi-fluorescence:</u> High-power blue LED with manual brightness control.
	LED average lifetime: 50000h.
Observation modes	Brightfield, Fluorescence B Fluorescence B: EX 460-490, DM 505, EM 515LP
Filter Set	1 position fluorescence filter holder: Excitation B: Acridine Yellow, Acridine Orange, Auramine, DiO, DTAF, FITC, GFP, YFP, ecc.
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 188x150mm, 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: -) E-Plan IOS 4X, N.A. 0.10, W.D. 16.8 mm -) E-Plan IOS 10X, N.A. 0.25, W.D. 5.8 mm -) E-Plan IOS 20x, N.A. 0,40, W.D. 1,4 mm -) E-Plan IOS 40X, N.A. 0.65, W.D. 0.43 mm -) IOS 50X, N.A. 0.75, W.D. 0,3 mm (no cover slide) 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: 5 kg
Accessories	Instruction manual and dust cover included.