



Model:

**B-383FL**

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.*

<b>Illumination</b>	<p><u>Transmitted light:</u> Light source type X-LED<sup>3</sup> 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</p> <p><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</p>
<b>Observation modes</b>	Brightfield, Fluorescence Fluorescence B: EX 460-490, DM 505, EM 515LP Fluorescence G: EX 510-550, DM 570, EM 590LP
<b>Fluorochromes</b>	<b>2 positions fluorescence filter holder:</b>  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.
<b>Focusing</b>	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.
<b>Stage</b>	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.
<b>Nosepiece</b>	Quintuple revolving nosepiece, rotation on ball bearings.
<b>Head</b>	Trinocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on both eyepieces. Interpupillary adjustment 48-75 mm. Fixed photo port, 50/50 ratio.
<b>Eyepieces</b>	Widfield eyepieces WF10X/20 with field number 20.
<b>Objectives</b>	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 -) E-Plan IOS 100X, N.A. 1.25, W.D. 0.13 mm (oil immersion)  All objectives are treated with an anti-fungus treatment.
<b>Condenser</b>	Abbe condenser, N.A. 1,25 with centering system.
<b>Dimensions</b>	HEIGHT: 480 mm (without attachment) / 592 mm (with attachment) WIDTH: 210 mm DEPTH: 370 mm WEIGHT: 6 kg
<b>Accessories</b>	Instruction manual and dust cover included.