



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.*

<b>Illumination</b>	<p><u>Transmitted light:</u> Light source type X-LED<sup>3</sup> with manual brightness control.</p> <p><u>Epi-fluorescence:</u> High-power blue LED with manual brightness control.</p> <p>LED average lifetime: 50000h.</p>
<b>Observation modes</b>	<p>Brightfield, Fluorescence B Fluorescence B: EX 460-490, DM 505, EM 515LP</p>
<b>Filter Set</b>	<p><b>1 position fluorescence filter holder:</b></p> <p>Excitation B: Acridine Yellow, Acridine Orange, Auramine, DiO, DTAF, FITC, GFP, YFP, ecc.</p>
<b>Focusing</b>	<p>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.</p>
<b>Stage</b>	<p>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.</p>
<b>Nosepiece</b>	<p>Quintuple revolving nosepiece, rotation on ball bearings.</p>
<b>Head</b>	<p>Trinocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on both eyepieces. Interpupillary adjustment 48-75 mm. Fixed photo port, 50/50 ratio.</p>
<b>Eyepieces</b>	<p>Widefield eyepieces WF10X/20 with field number 20.</p>
<b>Objectives</b>	<p>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.</p>
<b>Condenser</b>	<p>Abbe condenser, N.A. 1,25 with centering system.</p>
<b>Dimensions</b>	<p>HEIGHT: 480 mm (without attachment) / 592 mm (with attachment) WIDTH: 210 mm DEPTH: 370 mm WEIGHT: 5 kg</p>
<b>Accessories</b>	<p>Instruction manual and dust cover included.</p>