Model:  
**B-159**

**Typology:**  
**EDUCATIONAL MICROSCOPE**

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Binocular with double layer stage; objectives 4x, 10x, 40x, 100x</th>
</tr>
</thead>
</table>
| Illumination | Light source type: white LED; light intensity control using a knob on left side of the frame.  
LED power: 1W  
Color temperature: 6300K  
LED average lifetime approx.: 50,000h  
External power supply 100/240Vac, 50/60Hz, output: 5Vdc 500mA. |
| 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. |
| Stage | Double layer with mechanical sliding stage, size 125x116mm, X-Y movement range 76x30.  
Specimen holder for one slide.  
Vernier scale on the two axes, accuracy 0.1 mm. |
| Nosepiece | Quadruple revolving nosepiece, rotation on ball bearings. |
| Head | Binocular observation head, inclined 30° and rotatable 360°.  
Diopter adjustment on left eyepiece.  
Interpupillary adjustment 48-75 mm. |
| Eyepieces | Widefield eyepieces WF10X/18 with field number 18mm. |
| Objectives | Achromatic objectives with mechanical tube length 160 mm, made by following objectives:  
[objective set depends on the model]  
- Achromatic DIN 4X, A.N. 0.10, W.D. 18 mm  
- Achromatic DIN 10X, A.N. 0.25, W.D. 7 mm  
- Achromatic DIN 40X, A.N. 0.65, W.D. 0.53 mm  
- Achromatic DIN 100X, A.N. 1.25, W.D. 0.13 mm (oil immersion)  
All objectives are treated with an anti-fungus treatment. |
| Condenser | Abbe condenser, N.A. 1.2 precentered. |
| Dimensions | HEIGHT: 350 mm  
WIDTH: 170 mm  
DEPTH: 210 mm  
WEIGHT: 4 kg |
| Accessories | Instruction manual and dust cover included. |