



Model:

**OPTIGEM-1**

Typology:

**GEMOLOGY STEREO MICROSCOPE**

Description:

*Stereomicroscope for gemological analysis and laboratory.*

<b>Illumination</b>	<p><b>Incident illumination:</b> LED flexible arm with brightness adjustment.</p> <p><b>Transmitted illumination:</b> LED system for observation in brightfield (with diffusive LED disc) and darkfield (with side-emitting LED ring). Through a selector it's possible to choose between 3 modes: brightfield only, darkfield only, or both brightfield and darkfield. Provided with a lever for the insertion of a black background in order to improve the darkfield observation.</p> <p>LED temperature color: 6300K (pure white).</p> <p>External power supply provided. Input: 110/240Vac, 50/60Hz; Output: 12V 1A Max. required power: 15W</p>
<b>Focusing</b>	<p>By means of a rack and pinion controlled by a pair of knobs placed on both sides of the stereomicroscope.</p>
<b>Stage</b>	<p>Adjustable gemology clip. Pair of rods for assembling optional accessories.</p>
<b>Stand</b>	<p>Rack-and-pinion stand (it can be inclined through full 90° for horizontal observation, and rotated 360°). Base: 27x21x6h cm. Weight: 6 Kg</p>
<b>Head</b>	<p>Binocular rotating 360° and 45° inclined. Diopter adjustment on both eyepieces. Interpupillary adjustment 51-75 mm.</p>
<b>Eyepieces</b>	<p>Widefield eyepieces WF10x/20mm.</p>
<b>Objectives</b>	<p>Parfocal achromatic objective 1X Working distance: 100 mm Zoom range: 0,7x - 4,5x Zoom factor: 6,428:1</p>
<b>Accessories</b>	<p>Instruction manual and dust cover included.</p>