

# SO-1700 LED

## Wet Lab Microscope



The SO-1700 LED gives excellent image quality and good depth of field over a continuous magnification range of 4.2x - 25x. The microscope is mounted on a sturdy base for wet laboratory use.

### Key Features

- High resolution Olympus optics.
- 4.2x to 25x continuous magnification.
- High intensity coaxial LED light.
- Medically approved mains power supply.

### Optional Upgrades and Accessories

- Coaxial Video System.
- PD Adjuster.
- Battery cable and 12V dry cells.

OPTICAL HEAD	
<b>Viewing System</b>	Binocular stereoscopic, convergent angle 10° for viewing comfort. Image erection by high resolution prism system.
<b>Eyepieces</b>	Tube inclination 45° High field number 22 for wide field of view. High eye relief 24.6mm and reversible eye cups for ease of use by spectacle wearers.
<b>Magnification</b>	4.2x to 25x continuous.
<b>Field of View</b>	53mm to 9mm depending on magnification.
<b>Refractive Error Correction</b>	±5D anisometropia
<b>Pupillary Distance</b>	50mm to 76mm, eyepiece tubes locked for ease of adjustment.
<b>Focusing</b>	50mm to 76mm, eyepiece tubes locked for ease of adjustment.
<b>Mould Protection</b>	Anti-fungus pellets (three year protection) standard.

ILLUMINATION	
<b>Type</b>	Coaxial, direct optical delivery system.
<b>Lamp</b>	20W LED, 65,000 lux, lifetime of the microscope.
<b>UV and Blue light hazard</b>	UV and blue light hazard: Filtered to 435nm
<b>Colour Temperature</b>	4,100°K
<b>Intensity range</b>	Continuous variable
<b>Type</b>	Coaxial, direct optical delivery system.
<b>Lamp</b>	20W LED, 65,000 lux, lifetime of the microscope.
<b>UV and Blue light hazard</b>	UV and blue light hazard: Filtered to 435nm

POWER SUPPLY	
<b>Mains Input</b>	100-240VAC, 50-60Hz, 2.0A max. @ 100VAC
<b>Mains Output Regulation</b>	< ±5%
<b>Protection</b>	Over voltage, over current and short circuit protection
<b>Output</b>	15VDC 2.00A 30W MAX.
<b>Dimensions</b>	Standalone Desktop Power pack 65 x 105 x 35 mm
<b>Approvals</b>	Medical grade approvals CSA C22.2 No. 60601.1-M90 UL 60601-1, 2nd edition IEC 60601-1 CE marked EN 60601-1-2:2001