

SO-1700 LED

Wet Lab Microscope

... optics for life



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	
Viewing System	Binocular stereoscopic, convergent angle 10° for viewing comfort. Image erection by high resolution prism system.
Eyepieces	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.
Magnification	4.2x to 25x continuous.
Field of View	53mm to 9mm depending on magnification.
Refractive Error Correction	±5D anisometropia
Pupillary Distance	50mm to 76mm, eyepiece tubes locked for ease of adjustment.
Focusing	50mm to 76mm, eyepiece tubes locked for ease of adjustment.
Mould Protection	Anti-fungus pellets (three year protection) standard.

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

POWER SUPPLY	
Mains Input	100-240VAC, 50-60Hz, 2.0A max. @ 100VAC
Mains Output Regulation	< ±5%
Protection	Over voltage, over current and short circuit protection
Output	15VDC 2.00A 30W MAX.
Dimensions	Standalone Desktop Power pack 65 x 105 x 35 mm
Approvals	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