

SO-5000SE




Ophthalmic Microscope

- Sturdy floor stand mounted.
- Foot controlled focus, zoom and light intensity.
- High resolution Olympus optics.
- Coaxial LED light
 - remove the cost and inconvenience of spare bulbs for the life of the microscope.
- Operate from mains power (with internal regulation for voltage fluctuations) or 12V battery.
- Includes coaxial streaming video & assistant microscope
- Options
 - aluminium transit case for microscope.
 - PD Adjuster



SPECIFICATIONS

OPTICAL HEAD	
Viewing System	Tri-nocular 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	Zoom, 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	Fine focus range ±25mm.
Mould Protection	Anti-fungus pellets (three year protection) standard.
COAXIAL VIDEO	
Complete with beam splitter, C-mount adaptor, video camera, large screen LCD monitor and monitor mounting arm, cables, power supply.	
ILLUMINATION	
Type	Coaxial, direct optical delivery system.
Lamp	20W LED, 75,000 lux, lifetime of the microscope.
UV and Blue light hazard	UV and blue light hazard: Filtered to 435nm
Colour Temperature	3,000°K
Intensity range	10 levels
MOUNTING SYSTEM	
Arm	Elbow and angle-poise movement in horizontal and vertical directions. Variable friction locks.
Head Tilt	+5° to -45°
Vertical Tension	Adjustable gas spring to set lifting force.
Materials	Specially selected to resist rust and corrosion.
Dimensions	Vertical pillar to head optical axis, Max. 930mm (37")
FOOT CONTROL	
Functions	Focus, Zoom, Light Intensity.
Dimension	310 x 210 x 70 mm
Weight	5.1Kg
Cable length	2.0m
Mounting	Yes, to the main pillar

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
Battery / Auxiliary Input	12V DC, polarity and current surge protected.
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
PACKAGING	
Microscope excluding floor stand	Dimensions of carton: 81 x 52 x 31cm Weight in carton: 25kg
Floor stand (two cartons)	Dimension of each carton: 90 x 27 x 29 cm Weight in each carton: 22kg
Monitor	Dimensions of carton: 45 x 25 x 35cm Weight of carton: 6 kg
OPTIONS	
Aluminium Transit Case (SO-5000A)	The aluminium transit case is available for the microscope. 
PD Adjuster (SO-1510)	Pupillary Distance Adjuster. 
Battery (SO-251)	12V Gel Cell Battery 

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