

## Ophthalmic Microscope Series

- New digital technology.
- A fully integrated series of microscopes - choose the microscope that best suits you.
- Table and floor stand mounted microscopes.
- Foot controlled focus and zoom models and manual models.
- High resolution Olympus optics.
- High intensity 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.
- Options include
  - coaxial streaming video
  - assistant microscope
  - aluminium transit case.



### THE SO-5000 OPHTHALMIC MICROSCOPE SERIES

MODEL	FEATURES				
	Mounting System	Focus Control	Zoom Control	Coaxial Video	Assistant Microscope
SO-5000 SE	Floor-stand	Foot	Foot	Standard	Standard
SO-5000 SFZ	Floor-stand	Foot	Foot	Optional	Optional
SO-5000 TFZ	Table	Foot	Foot	Optional	Optional
SO-5000 TF	Table	Foot	Manual	Optional	Optional

### SPECIFICATIONS

#### 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	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

Power outlets for the camera and the monitor are provided on the microscope.
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#### 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	4,100°K

#### 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

#### 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.
Table Mounting	Left or right side of table.
Materials	Specially selected to resist rust and corrosion.
Dimensions	Vertical pillar to head optical axis, Max. 930mm (37")

#### PACKAGING

Microscope excluding floor stand	Dimensions of carton: 800 x 550 x 330mm Weight in carton: 25kg
Floor stand (two cartons)	Dimension of each carton: 800 x 550 x 330mm Weight in each carton: 22.5kg

#### OPTIONS

Aluminium Transit Case (SO-5000A)	The aluminium transit case is available for table mounted models or for the pillar, arm and optical head assembly of the floor stand mounted models.  The floor stand is only shipped in cartons.
Coaxial Video System (SO-1350)	Complete with beam splitter, C-mount adaptor, video camera, large screen LCD monitor and monitor mounting arm, cables, power supply. The coaxial video system must be specified at the time of purchase— it cannot be retrofitted later.
Assistant Microscope (SO-1440)	Binocular, non-coaxial assistant microscope can be fitted for either left or right side viewing.
Floor stand (SO-311 or SO-5511)	For non floor stand models, they can be optioned with either the light weight SO-311 or the heavy SO-511 floor stand.



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