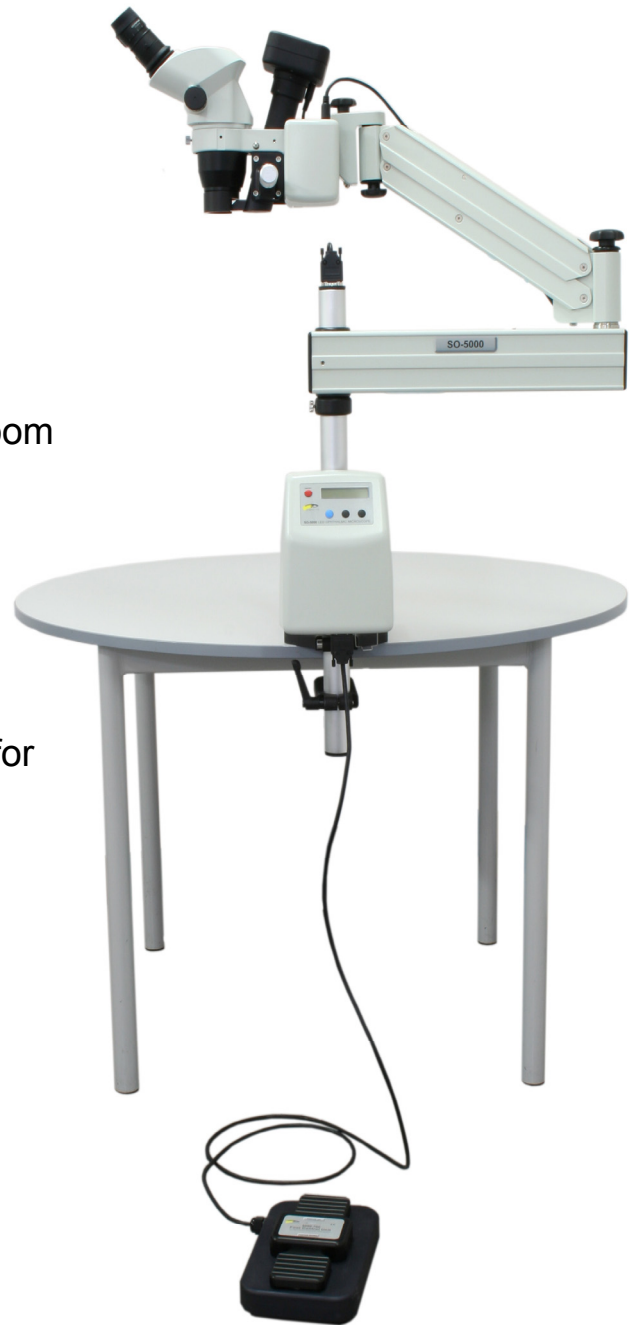


# SO-5000TF

## Ophthalmic Microscope

- New digital technology.
- Inbuilt function monitoring.
- A fully integrated microscope.
- Table mounted microscope.
- Foot controlled focus and manual zoom model.
- High resolution Olympus optics.
- Coaxial LED light
  - remove the cost and inconvenience of spare bulbs for the life of the microscope.
- Universal AC voltage input or 12V battery.
- Options include
  - assistant microscope
  - Aluminium transit case.
  - PD adjuster
  - Lightweight floor stand.








# SPECIFICATIONS

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>Working Distance</b>	170mm from Aux Objective lens.
<b>Magnification</b>	Zoom, 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>	Fine focus range ±25mm.
<b>Mould Protection</b>	Anti-fungus pellets (three year protection)
ILLUMINATION	
<b>Type</b>	Coaxial, direct optical delivery system.
<b>Lamp</b>	20W LED, 75,000 lux, lifetime of the microscope.
<b>UV and Blue light hazard</b>	UV and blue light hazard: Filtered to 435nm
<b>Colour Temperature</b>	3,000°K
<b>Intensity range</b>	10 levels
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>Battery / Auxiliary Input</b>	12V DC, polarity and current surge protected.
<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
FOOT CONTROL	
<b>Functions</b>	Foot Focus only.
<b>Dimension</b>	240mm x 150mm x 70mm
<b>Weight</b>	2.5Kg
<b>Cable length</b>	2.0m
<b>Mounting</b>	Yes, to the main pillar

MOUNTING SYSTEM	
<b>Arm</b>	Elbow and angle-poise movement in horizontal and vertical directions. Variable friction locks.
<b>Arm Extension</b>	Vertical pillar to head optical axis, Max. 940mm
<b>Head Tilt</b>	+5° to -45°
<b>Vertical Tension</b>	Adjustable gas spring to set lifting force.
<b>Table Mounting</b>	Left or right side of table.
<b>Clamp</b>	Opening 120mm, throat 160mm
<b>Materials</b>	Anodised aluminium and stainless steel materials are selected to minimise corrosion

PACKAGING	
Microscope (packed in cardboard shipping carton)	Dimensions: 81 x 52 x 31cm Weight: 25kg
Microscope (packed in aluminium case)	Dimensions: 79 x 56 x 34cm Weight: 32kg

OPTIONS AND ACCESSORIES		
<b>Aluminium Transit Case (SO-5000A)</b>	The aluminium transit case is available for the microscope.	
<b>Assistant Microscope (SO-1450)</b>	Binocular, non-coaxial assistant microscope can be fitted for either left or right side viewing.	
<b>PD Adjuster (SO-1510)</b>	Pupillary Distance Adjuster.	
<b>Battery (SO-251)</b>	12V Gel Cell Battery	
<b>Light weight Floor Stand (SO-5511)</b>	Available in cardboard shipping box or in aluminium case.	

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