

SO-5000TF

Ophthalmic Microscope

- New digital technology.
- 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	
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.
Working Distance	170mm from Aux Objective lens.
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)






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

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

FOOT CONTROL	
Functions	Foot Focus only.
Dimension	240mm x 150mm x 70mm
Weight	2.5Kg
Cable length	2.0m
Mounting	Yes, to the main pillar

MOUNTING SYSTEM	
Arm	Elbow and angle-poise movement in horizontal and vertical directions. Variable friction locks.
Arm Extension	Vertical pillar to head optical axis, Max. 940mm
Head Tilt	+5° to -45°
Vertical Tension	Adjustable gas spring to set lifting force.
Table Mounting	Left or right side of table.
Clamp	Opening 120mm, throat 160mm
Materials	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		
Aluminium Transit Case (SO-5000A)	The aluminium transit case is available for the microscope.	
Assistant Microscope (SO-1450)	Binocular, non-coaxial assistant microscope can be fitted for either left or right side viewing.	
PD Adjuster (SO-1510)	Pupillary Distance Adjuster.	
Battery (SO-251)	12V Gel Cell Battery	
Light weight Floor Stand (SO-5511)	Available in cardboard shipping box or in aluminium case.	

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