SCAN OPTICS

… optics for life

SO-5000 SE

Ophthalmic Microscope

- Digital display with membrane keypad controls.
- Inbuilt function monitoring.
- Sturdy floor stand mounted.
- Foot controlled
  focus
  zoom and
  light intensity.
- Universal AC voltage input or 12V battery.
- High resolution Olympus optics.
- Co-axial LED light
  for the life of the microscope.
  no inconvenience and cost of spare bulbs.
- Includes
  - HD video system with LCD monitor
  - 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.
Working/focal Distance	170mm from Aux Objective lens.
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.
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	2.8Kg
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	

Video System	
Camera	48 Mega Pixel CMOS HDMI 1080@60fps IR remote control On board Micro SD card for recording
Monitor	21.5 Colour LCD High-Definition 1920 X 1080 Resolution mounted on articulating arm

Scan Optics
32 Stirling Street Thebarton SA
5031 Adelaide Australia

Tel: +61 (8) 8234 9120
Fax: +61 (8) 8234 9417
Email: admin@scanoptics.com.au
Web site: www.scanoptics.com.au