

SO-5000 SERIES

Ophthalmic Microscope



USER MANUAL

SPECIFICATIONS

OPTICAL HEAD	
VIEWING SYSTEM	Binocular, stereoscopic (convergence angle 10°)
	Eyepiece tube inclination 45°
MAGNIFICATION	Zoom magnification, range 4.2 x - 25x
WORKING DISTANCE	Auxiliary objective to object distance 160 mm
FIELD OF VIEW	15 - 65mm, depending on magnification
REFRACTIVE ERROR	+/- 5D left eyepiece
FOCUSING	Range $\pm$ 25mm
ILLUMINATION	
ALIGNMENT	Coaxial with viewing system, high intensity
LAMP	20W LED
FILTERS	Internal ultraviolet filter, 435nm.
LAMP LIFE	Minimum 10 years
ILLUMINATION	50,000 Lux (minimum)
POWER SUPPLY	
MAINS POWER	110-240V
OUTPUT	Regulated output
INTENSITY CONTROL	9 Levels
EARTHING	Via earth lead of mains power cable (green/yellow)
DIRECT CURRENT	15 V dc source optional
CIRCUIT BREAKER	3A Overload protection
CABLE: Mains	Length 5 metres
CABLE: Battery	Length 3 metres
PANTOGRAPH ARM	
HEAD TILT	+5° to -45°
VERTICAL TENSION	Adjustable gas spring to set lifting force
DIMENSIONS	Vertical pillar to head optical axis maximum 1025mm (40")
	Pantograph arm vertical range 360 mm (14")
MATERIALS	No ferrous metals, preventing corrosion.