

SO-5000 LED Series

SPECIFICATIONS SO-5000 TF / TFZ / SFZ / SE

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 ± 25mm

ILLUMINATION

ALIGNMENT	Coaxial with viewing system, high intensity
LAMP	20W LED
FILTERS	Internal ultraviolet and infrared filters
LAMP LIFE	Minimum 10 years
ILLUMINATION	50,000 Lux

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 5 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.

MOUNTING SYSTEM (TABLE MOUNT)

TWO HEIGHT ADJUSTABLE PLATES	Anodised Aluminium
CLAMP (THROAT)	80 mm
TOP PLATE CONTACT SURFACE AREA	150 x 160 x 20 mm

MOUNTING SYSTEM (FLOORSTAND MOUNT)

'H' FRAME	Powdered Coated Steel
FOOTPRINT DIMENSION	790 x 520 mm
HEIGHT OF 'H' FRAME	185 mm
GROUND CLEARANCE	60 mm
HEIGHT WITH POST	804 mm
WEIGHT	36Kg (79 lbs)
WHEEL DIAMETER	100 mm

CASE (MICROSCOPE ONLY)

DIMENSIONS: Aluminium case	790 x 560 x 340 mm
DIMENSIONS: Standard packaging	810 x 520 x 290 mm
WEIGHT: In aluminium case	30 kg (66 lbs)
WEIGHT: In standard packaging	22 kg (49 lbs)