

Slit Lamp SL-3G



CONNECTING VISIONS

A Classic Slit Lamp with Unparalleled Optical Quality

The new SL-3G, with a style that became the benchmark of slit lamps worldwide, combines classic versatility with the smoothest mechanism in its type.

NEW



Optical System

Topcon SL-3G's stereoscopic converging microscope with the use of innovative optics provides the practitioner with unsurpassed image clarity and sharpness. This reduces fatigue while providing a clearer field of view. Magnifications can easily and smoothly be changed between 1X to 1.6X using the conveniently located lever. Final magnification ratios are equivalent to 10X and 16X with the 10X eyepiece; 16X and 25.6X with the 16X eyepiece.

Bright, Even, Consistent Illumination

With the use of a powerful halogen bulb the SL-3G produces a consistent, steady lighting for observation. Its 6V 20W halogen bulb resembles natural daylight illumination for optimum color rendition. The intense beam allows for narrower slit apertures and finer detail observation. Longer lamp duration and a steady brightness during the lamp's life are additional advantages.

Features

Smooth, Effortless Controls

The SL-3G features the Topcon Omni-Directional control lever that provides the smoothest movement for precise, fatigue-free adjustments.

Slit Beam Inclination

Added versatility in gonioscopy and fundus observation is provided by the capability to incline the illumination unit up to 20° from the observation axis. Horizontal sections can also be observed with this feature.

Four Built-in Filters

The SL-3G comes with four built-in filters into the illumination column to facilitate special examinations. The filters are easily inserted into the illumination path by a quick change lever. The filters include: Cobalt blue, Red-free, 13% Neutral Density and Heat Absorbing.

Continuous Adjustment of Slit Aperture

Both slit width and length are continuously adjustable. The width can be adjusted from 0 to 9mm and the length from 1 to 8mm. A rotating collar allows for quick adjustments of 0.2, 1, 2, 3, 5, 8 and 9mm.

Precise Angular Measurements

An angular measurement scale is engraved on the SL-3G housing to simplify the fitting of astigmatic contact lenses.



System Chart

- Hruby lens
- 10X measuring eye piece
- The SL-3G accepts applanation tonometers models R900 and T900

Specifications

Microscope			
Type	Stereoscopic Microscope		
Magnification selection	2 steps by Objective Lens rotation		
Objective	1X, 1.6X		
Eyepiece	10X, 16X (16X Eyepiece is optionally available in some regions.)		
Magnification ratio	Objective	Eyepiece	Magnification (Field of View)
	1X	10X	10X (18mm dia.)
		16X	16X (11.25mm dia.)
	1.6X	10X	16X (14.5mm dia.)
		16X	25.6X (9mm dia.)
	Pupillary adjustment	10X Eyepiece	55mm~82mm
		16X Eyepiece	51mm~78mm
	Diopter adjustment	10X Eyepiece	±8D
		16X Eyepiece	±10D
Slit Illumination			
Slit width	Continuous from 0 to 9mm (Circle at 9mm)		
Slit Length	Continuous from 1 to 8mm		
Aperture diameter	9, 8, 5, 3, 2, 1, 0.2mm		
Slit angle	0~180°		
Slit inclination	5°, 10°, 15°, 20°		
Filters	Cobalt blue, Red-free, 13% ND, Heat absorbing, UV Cut (Normal use), IR Cut (Normal use)		
Illumination lamp	6V 20W Halogen		
Base			
Longitudinal movement	90mm		
Lateral movement	100mm		
Fine base movement	15mm		
Vertical movement	30mm		
Chinrest			
Vertical movement	80mm		
Fixation target	6V 0.2A Halogen lamp		
Power			
Input (Primary)	AC 120V/220V/230V/240V		
Frequency	50/60Hz		
Power Consumption	30VA		
Dimension & Weight			
Table type	550mm(W) x 430mm(D) x 770~800mm(H), 21Kg		
Unit type	440mm(W) x 410mm(D) x 770~800mm(H), 20Kg		



TOPCON CORPORATION

Certificate No. JF0018661QA
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IMPORTANT

Subject to change in design and/or specifications without advanced notice.

In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.

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