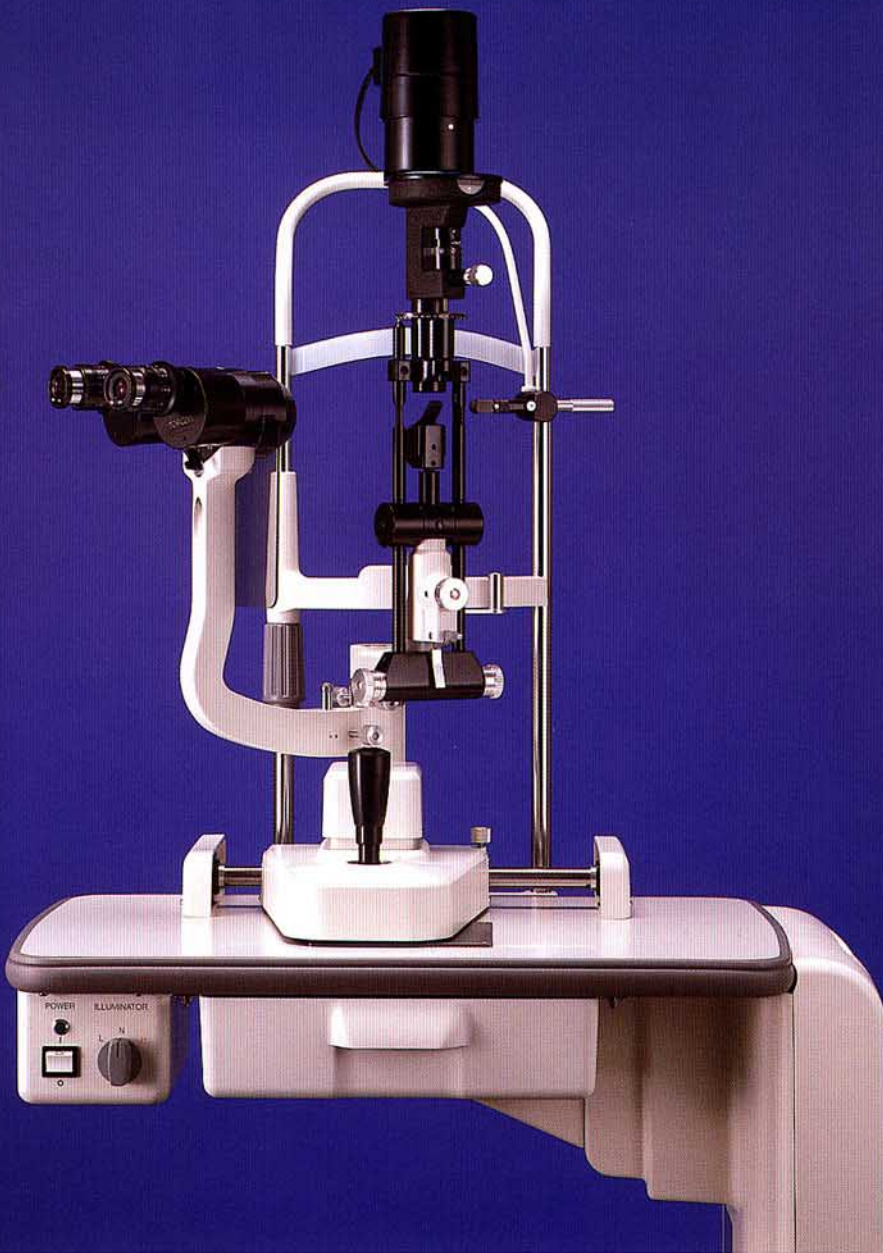


SLIT LAMP
SL-3C



Improved Optics, Control & Illumination



New, Omni-Directional Joystick for Unexcelled Maneuverability

Elevation and horizontal positioning are combined in one, convenient control. This is only one of the new features that make the TOPCON SL-3C a highly desirable diagnostic instrument for the busy practitioner. Observational axis is 375mm above the table surface; working distance from the patient's eye to the eyepiece is only 260mm when using the 10X eyepiece. Gonioscopy, funduscopy, and contact lens work are greatly facilitated—as is foreign-body removal.



Brilliant Illumination

The pre-centered 6V 27W tungsten filament lamp has three intensity settings: Low (5.1V), Normal (6.2V), High (7.5V). The bulb is easy to replace and requires no centering adjustment.

Two Fixation Targets

An annular fixation target which is adjustable from -15 to $+10$ diopters, plus a fiberoptic spot target, are supplied.

Convenient, Lever-Controlled Magnification Change

The SL-3C's converging biomicroscope provides exceptional stereoscopic examinations. The conveniently placed lever quickly switches objective lens magnification from 1X to 1.6X; 10X and 16X with the 10X eyepieces; 16X and 25X with the 16X eyepieces.

Slit Beam Inclination

The SL-3C body tilts up to 20° from the observational axis permitting horizontal optical sections while being particularly useful in gonioscopy and funduscopy.



Four Built-in Filters

The conveniently placed lever on the illumination column quickly inserts the four filters into the light path: Cobalt blue, red-free, 13% neutral density, and heat-absorbing.

Infinitely Adjustable Slit Width and Length

Slit length is continuously adjustable from 1 to 8mm. Rotation of the lever gives seven aperture changes: 9, 8, 5, 3, 2, 1, 0.2mmφ. The slit width is also continuously variable from 9mm to 0.

Angle Scale for Precision Fitting

The built-in engraved angle scale simplifies the fitting of astigmatic contact lens.

Optional Accessory

• Pachometer Attachment

The model 1 measures corneal thickness from 0 to 1.2mm in 0.02mm increments. Two LEDs assure repeatable alignment of the slit beam. A third LED illuminates the scale which has a permanent loupe attachment for easier graduation reading. The optical section magnification is 12.8X. Using the Mishima-Hedbys Method, the slit beam can be accurately positioned perpendicular to the corneal surface.



• Applanation Tonometer

The SL-3C accepts TOPCON Applanation Tonometer 1000R as well as R900/T900.

SPECIFICATIONS

MICROSCOPE

Type	Binocular stereoscopic microscope with erect image.		
Magnification changer	Revolver type objective changing system provides two magnification changes		
Objective	1X and 1.6X		
Eyepieces	10X and 16X (Option)		
Magnifications & field of view	Objectives x Eyepieces = Magnification Field of View		
	1X	10X	10X 18mm diameter
	1.6X	10X	16X 11.25mm diameter
	1X	16X	16X 14.5mm diameter
	1.6X	16X	25.6X 9mm diameter
Pupillary adjustments	10X eyepieces	54.5mm to 82.5mm	
	16X eyepieces	50.5mm to 78.5mm	
Diopter adjustments	10X eyepieces	± 8 diopters	
	16X eyepieces	± 10 diopters	

SLIT ILLUMINATION

Slit projection	2/3X
Slit Width	Continuously variable from 0 to 9mm
Slit Length	Continuously variable from 8mm to 1mm
Aperture diameters	9mm, 8mm, 5mm, 3mm, 2mm, 1mm, and 0.2mm
Slit angle	Continuously rotatable from vertical to horizontal; click stops at 0°, 45°, 90°, 135° and 180°
Slit Inclination	5°, 10°, 15° and 20° steps
Filters	Cobalt blue, red-free, 13% ND and heat absorbing
Lamp	6V 27W tungsten filament lamp

BASE

Longitudinal movement	90mm
Lateral movement	100mm
Fine cross-slide adjustment	15mm
Vertical movement	30mm

CHIN-REST

Vertical movement	80mm
Fixation target	Luminous fixation target; 6V 0.2A tungsten lamp

POWER

Input (primary)	AC 100V, 120V, 220V and 240V; adjustable with built-in voltage selector; 50/60Hz
Output (secondary)	AC5.1V, 6.2V, 7.5V
Power consumption	45VA

DIMENSIONS & WEIGHTS

Unit model	380mm x 350mm	20kgs
Table model	560mm x 350mm	21kgs

ACCESSORIES

Hruby lens	For examinations of the vitreous body and fundus.
Hruby lens guide plate	For use with Hruby lens and Goldmann Applanation Tonometer (Supplied as an optional accessory for certain markets)

*Subject to change in design and/or specifications, without advance notice.



Certificate No.95/4370
TOPCON CORPORATION
Ophthalmic & Medical
Instruments Division (Tokyo)

IMPORTANT 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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