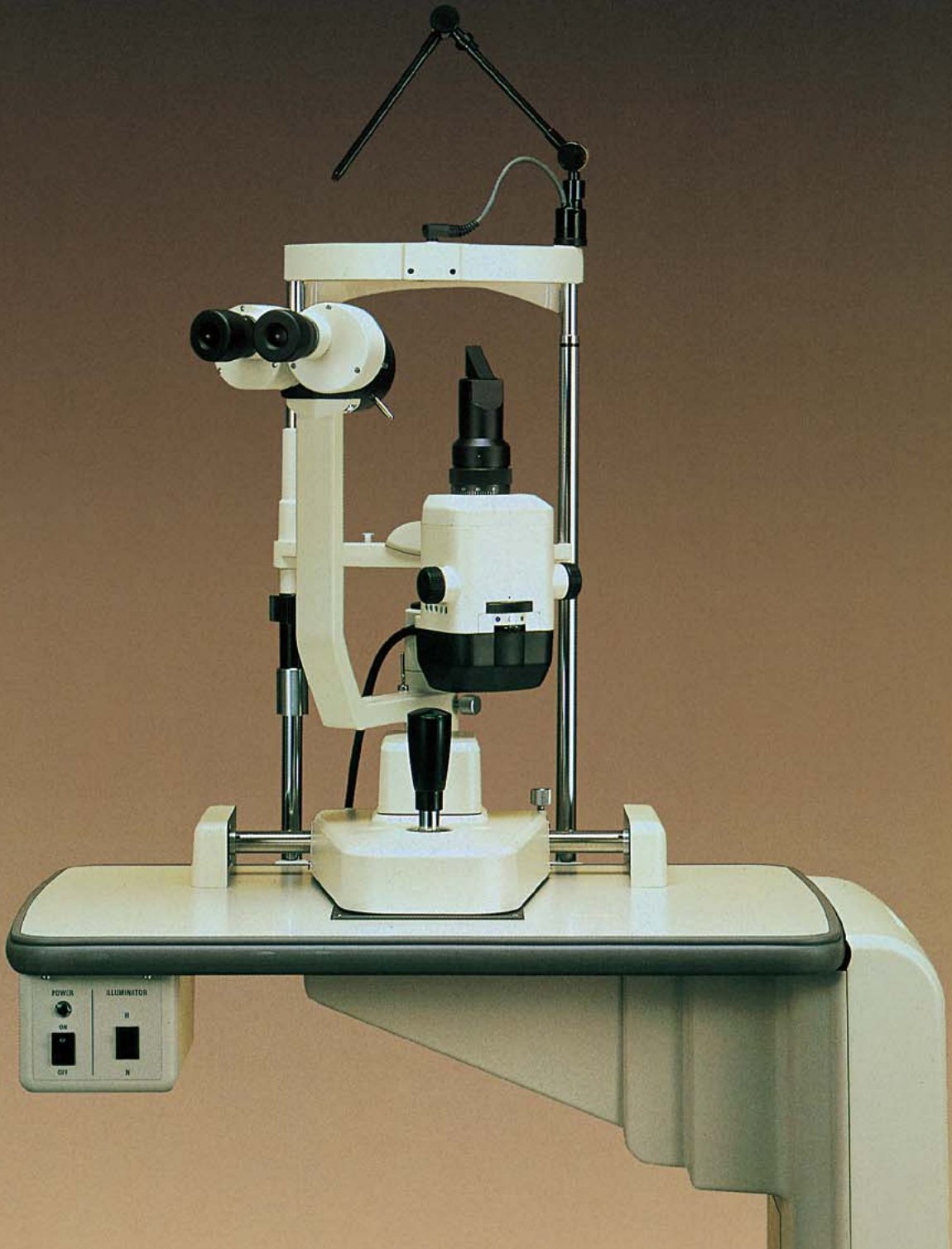




SLIT LAMP
SL-1E





14mm Slit Illumination

For maximum flexibility, the slit width is continuously adjustable from 0 to 14mm. The slit length is controlled by seven apertures—1mm, 2mm, 3mm, 5mm, 8mm, 10mm, and 14mm. The 14mm height facilitates the evaluation of today's larger diameter soft contact lenses.



Omni-directional Joystick

Fast, effortless positioning is assured by TOPCON's omni-directional joystick. The one-hand control permits precise centering, height adjustment, and focusing.



NOMENCLATURE

- | | |
|--------------------------------|---|
| 1. 10X Eyepieces | 7. Slit Rotation Control Ring |
| 2. Chin-Rest Elevation Control | 8. Aperture and Slit Length Control Wheel |
| 3. Slit Width Control Knob | 9. Filter Selection Lever |
| 4. Fixation Target (Option) | 10. Lamphouse Cover |
| 5. Forehead Rest | 11. Omni-Directional Joystick |
| 6. Magnification Changer Lever | 12. Cross-Slide Base |

atility and Performance You Can Depend On **SL-1E** SLIT LAMP

Variable Magnification Capability

Comfortable stereoscopic viewing is provided by the converging biomicroscope system. The conveniently placed lever smoothly switches the objective lenses to give 10X and 16X magnification with the 10X eyepieces. The optional 16X eyepieces offer 16X and 25X magnification.



Built-in Filters

Versatility in examination is enhanced by the three filters which can be easily inserted into the light path. A blue filter for tonometry and fluorescein excitation, a green filter for vascular contrast, and a heat-absorbing filter for patient comfort are incorporated.

Halogen Illumination

Bright, clean illumination is provided by the halogen lamp. Visualization is improved due to the properties of halogen illumination—the blue characteristic supplies a more natural view, while a darkening of the bulb does not occur through use.



OPTIONAL ACCESSORIES

16X Eyepieces

Allows increased magnification for expanded examinations.

Hruby Lens

For observation of the fundus or the posterior segment of the vitreous body.



Fixation Target

The illuminated fixation target can be placed on either side of the chin-rest to assist in eliciting patient cooperation.



10X Measuring Eyepiece

When used in place of the standard eyepieces, its millimeter scale permits accurate linear measurements while the protractor scale in 5° increments aids in the fitting of toric contact lenses.

Applanation Tonometer

The Haag-Streit Model R-900 Tonometer is recommended.

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)		
Magnification & field of view	Objective x Eyepieces = Magnification		
1X	10X	10X	18mm diameter
1.6X	10X	16X	14.5mm diameter
1X	16X	16X	11.25mm diameter
1.6X	16X	25.6X	9mm diameter
Pupillary adjustments	55mm to 75mm		
Diopter adjustments	- 5D ~ + 3D		

SLIT ILLUMINATION

Slit projection	1.23X
Slit width	Continuously variable from 0 ~ 14mm
Slit length	14mm, 10mm, 8mm, 5mm, 3mm, 2mm, 1mm
Aperture diameters	14mm, 10mm, 8mm, 5mm, 3mm, 2mm, 1mm
Slit angle	Continuously rotatable from vertical to horizontal
Filters	Blue and Red-free
Lamp	6V 20W halogen

BASE

Longitudinal movement	80mm
Lateral movement	100mm
Fine cross-slide adjustments	12mm
Vertical movement	30mm

CHIN-REST

Vertical movements	80mm
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POWER

Input (primary)	AC 100V, 120V, 220V and 240V; adjustable with built-in voltage selector, 50/60Hz
Output (secondary)	AC 5.5V and 6.3V
Power consumption	30VA

DIMENSION & WEIGHTS

Unit model	440mm x 350mm 18kgs.
Table model	560mm x 350mm 18kgs.

OPTIONAL ACCESSORIES

16X Eyepiece	
Fixation target	
Hruby lens	For examinations of the vitreous body and fundus.
10X Measuring Eyepiece	
Accessory drawer	

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

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IMPORTANT

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