

SL-1400

SLIT LAMP

B"H



LUXVISION

PRECISION INSTRUMENTS





The SL-1400 model is a high end Luxvision slit lamp which employs the Galilean type Optical System. You will be able to zoom out with a 6x magnification, and go as detailed as a 40x magnification, allowing for a more thorough eye examination. Whether you have a teaching office or you want to illustrate to your patients a pathology found, a beam splitter that allows the addition of a video imaging system will be of great use. The SL-1400 can be used in combination with any standard applanation tonometer for accurate intra-ocular pressure measurements. The tower illumination design of the SL-1400 incorporates four filters, cobalt blue, red free, grey and heat absorption, and is perfect for any practice.

This high end tower illumination model slit lamp provides everything necessary for a thorough eye exam. Applanation tonometer compatible, five magnifications (6x, 10x, 16x, 25x and 40x), optical beam splitter and four different filters are just some of the features that make this reliable slit lamp a piece of equipment you need in your office.

SL-1400 SLIT LAMP



Magnification

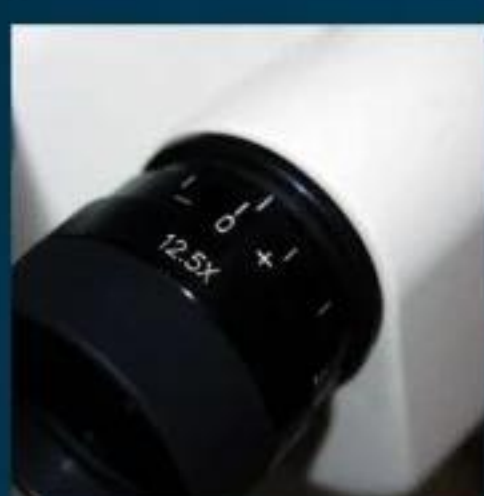
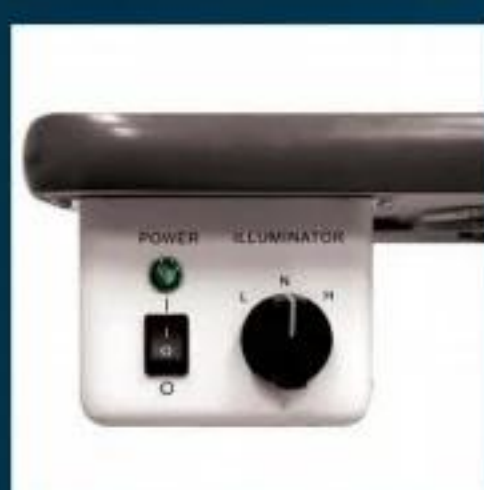
Ranges from 6x to 40x.



Optical System

The SL-1400 slit lamp is ideal for technically advanced imaging systems. When using the beam splitter, the SL-1400 slit lamp allows maximum illumination to the practitioner, and at the same time to the digital and video imaging.

In addition, an assistant scope can be attached to the dual port beam splitter.



Fixation target

Two kinds of fixation targets are available. One is for diopter adjustment to help the patient to see the target clearly while the other is illuminated at a fixed spot.

- Hurby Lens Guide Plate
- Prism box: Separates the prism box to adjust the interpupilar distance.

Diffusion Lens

Used to observe and photograph at a low magnification, and to enlarge the illumination field.

Filter Selection Level

There are four filters for selection.

- Reflecting mirror: Both long and short reflecting mirrors are provided. The long mirror is routinely used for most examination procedures. The short mirror is used when the long mirror interferes with the observation pathway, such as during funduscopy.

Hruby Lens

Used for examining the posterior pole, including the retina and the vitreous.

Slit with

The slit width is continuously adjustable within the range from 0 to 9mm.

Illumination Inclination Lever

Four 5° inclination stops are available-up to 20°.

- Single-handed elevation system.
- Dial-in, and continuously variable aperture setting from 10mm to 0.2mm.
- Hallogen illumination standard.
- Five built-in filters. Convenient illumination and light burst controls.

12.5x Eyepiece

Before using the slit lamp, adjust the proper diopter for each eyepiece to obtain a definite image.

Applanation tonometer

This slit lamp can be equipped with TN-150, Model R-900 or Model T-900 applanation tonometer to measure the intraocular pressure.

Video accessories

When a Video camera is connected, you will be able to record the images for future uses such as a presentation.



Specifications



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Microscope	
Type	Galilean Optical System
Magnification	Rotating Drum
Eyepiece	12.5x
Total magnification rate	6x 10x 16x 25x 40x
(Field of view)	(ø33mm) (ø22.5mm) (ø14mm) (ø8mm) (ø5.5mm) (ø1.3in) (ø0.88in) (ø0.55in) (ø0.31in) (ø0.22in)
Range of P.D. adjustment	55mm/2.16in to 75mm/2.95in
Diopter Adjustment	-5D to +3D
Illumination	
Slit projection magnification	2/3x
Slit width	continuous from 0mm/0in to 9mm/0.35in (at 9mm/0.35in, slit becomes a circle)
Slit height	continuous from 1mm/0.039in to 8mm/0.315in
Aperture diameter	ø9mm,ø8mm,ø5mm,ø3mm,ø2mm,ø1mm,ø0.2mm ø0.35in,ø0.315in,ø0.19in,ø0.12in,ø0.08in,ø0.039in,ø0.008in
Slit angle	0° to 180° with horizontal scanning capability
Slit inclination	0°, 10°, 15°, 20° four steps
Filter piece	heat-absorption, grey, red-free and blue
Illumination bulb	12V30W halogen bulb
Movement base	
Fore and back movement	90mm/3.54in
Left and right movement	100mm/3.93
Fine movement	15mm/0.59in
Vertical movement	30mm/1.18in
Chin-rest parts	
Chin Rest Vertical movement	80mm/3.15
Fixation target	Red-LED
Hurby lens	
Hurby lens	-58.7D (optionally available in some regions)
Power Source	
Input voltage	100/220V ~ ±10%
Input frequency	50/60 Hz
Input power	58VA
Output voltage	Illumination bulb 7.2V, 9.8V, 11.6V Fixation target 7.2V
Electric safe standard	Conform to Standard IEC601 - 1, Class I Type B
Dimension and weight	
Packing box	720 x 495 x 480mm / 28.35 x 19.49 x 18.9in
Total weight	24 Kg / 52.9 Lb
Net weight	21 Kg / 46.3 Lb

Designs and details can be changed without prior notice for the purposes of improvement.

