

Frey



manufactured in
European Union



SL-100 Slit Lamp

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SL-100 Slit Lamp - Advanced LED Slit Lamp Microscope

Frey SL-100 is an advanced LED slit lamp microscope designed for high performance, accurate diagnostics, reliability and patient comfort. Brilliant optics result in stunning image quality and resolution. An innovative LED illumination system with integrated eye illumination and digital camera delivers superb clinical viewing.

Digital camera ready

Frey SL-100 integrates specialized componentry to connect and control Frey bespoke digital imaging system. Push button joystick and eye illumination system controls are elegantly integrated. Simply add digital camera system allowing clinicians to enjoy outstanding ergonomics and complete control over the imaging process clinical examination.

LED illumination system

The LED illumination source eliminate heat and infra red emissions associated with traditional light sources and ensures optimal diagnostic detail from the cornea to the

retina. LED exhibits superior duty cycle and reduces medical device maintenance and downtime significantly. LED light intensity is precise and easy to use, delivering a sharp and bright slit for superior performance and control.

Improve clinical workflow

Superb mechanics, Frey SL-100 is very easy to operate. Frey combines modern design and enduring performance providing the clinician with fatigue free examinations every day. Yellow contrast enhancing filter for additional contrast is cleverly integrated into the optical body of the microscope, and can be subtly operated for viewing corneal staining.

Slit projection system and base general data	
Device type	SL-100 Slit Lamp
Minimum slit opening	0.2 mm
Slit length	1.8 - 14 mm continuously variable
Slit projection scale	1x
Slit stops	0.3 / 1 / 3 / 5 / 9 / 14 mm
Filters	Blue, clear, diffuser, natural density, red free, yellow
Slit rotation	+/- 180° with reference scale
Slit angle	+/- 90° continuous
Vertical slit tilting angles	0°, 5°, 10°, 15°, 20°
Fixation lamp	Green LED
Chin-rest height adjustment	70 mm
Base travel	100 mm X-axis, 100 mm Y-axis, 30 mm Z-axis

Stereoscopic microscope					
Microscope type	Convergent binocular optical microscope @ 8°				
Magnification power selection system	Five position rotating drum				
Eyepiece	Wide field 12.5 x				
Magnifying powers	6x	10x	16x	25x	40x
Field of view [mm]	36	23	14	9	6
Distance between pupils	50 - 60 mm				
Slit angle	+/- 180° with reference scale				
Working distance	110 mm				
Objective lens convergence angle	12°				