Frey

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IN EUROPEAN UNION

Slit Lamp
SL-100

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Frey

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	SL-100				
Minimum slit opening	0 mm				
Slit maximum lenght	14 mm				
Continuously adjustable slit length	1.8 - 14 mm continuously variable				
Slit projection scale	1.2 x				
Slit aperture diaphragms	0.2/ 1/ 3/ 5.5/ 9/ 14 mm				
Filters	clear, blue, natural density, yellow, diffuser, red-free				
Slit rotation	0° - 180° with reference scale				
Vertical slit tilting angles	0°/ 5°/ 10°/ 15°/ 20°				
Working distance - eye of patient/ prism surface	75 mm				
Fixation lamp	green lamp				
Chin-rest height adjustment	59 mm				
Base travel	103 mm X–axis, 100 mm Y–axis, 35 mm Z–axis				
Stereoscopic Microscope					
Microscope type	Convergent binocular optical microscope @ 8°				
Magnification power selection system	Five position rotating drum				
Eyepiece	12.5 x				
Magnifying powers	6x	10x	16x	25x	40x
Field of view [mm]	36	22	14	9	5.6
Distance between pupils	48.5 – 80 mm				
Objective lens working distance	111 mm				
Objective lens working angle	12°				
Eyepiece diopter adjustment	from -5D to +5D				

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