SL 130 Slit Lamp

Maximum quality for optimum performance

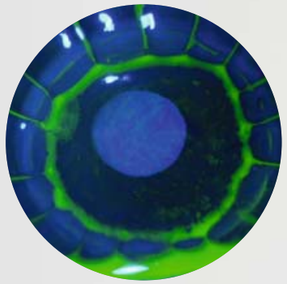
ZEISS

Premium optics

from diagnosis to laser therapy

Carl Zeiss: Vision meets competence
With dedication and technical expertise, Carl Zeiss has been meeting even the highest demands on precision engineering and optics for more than 160 years. In 1912 Carl Zeiss developed the first slit lamp together with the Swedish ophthalmologist and Nobel laureate Allvar Gullstrand. Generations of leading ophthalmologists have played a key role in perfecting this unique examination tool.

Versatility is the outstanding feature of the SL 130 slit lamp from Carl Zeiss. Combined with an advanced, user-focused operating concept, high-contrast observation and the impressive documentation of findings enhance the reliability of diagnosis. The system is also optimally equipped for precise laser therapy.



Deep anterior lamellar keratoplasty (DALK) [1]

Iris-fixated phakic IOL [2]

Structures in direct focal illumination [3]

Glistenings in an IOL [1]

1) *by courtesy of Sheraz Daya, MD FACP FACS FRCS(Ed), Centre for Sight, Corneoplastic Unit & Eye Bank, Queen Victoria Hospital, East Grinstead, UK*
2) *by courtesy of Prof. Dr. med. Jürgen Strobel, Ophthalmology Clinic, Hospital of the Johann Wolfgang Goethe University Frankfurt am Main, Frankfurt, Germany*
3) *by courtesy of Prof. Dr. med. Jürgen Strobel, Eye Clinic of the Friedrich Schiller University Jena, Jena, Germany*

Precision for optimum results
Performance for smooth treatment routines
Patient Care for satisfied patients
Productivity for efficient office management

Optics from Carl Zeiss

Right from the outset you will be impressed by the crisp, razor-sharp image delivered by the SL 130. Thanks to its excellent resolution, you will recognize even the finest structures – details you can trust for your diagnosis.

Maximum information
Thanks to excellent optical transmission, you can examine the patient's eye with lower light intensity. A stereo microscope with 5 magnification steps, a large field of view and super high-eyepoint eyepieces for eyeglass wearers image the patient's eye with outstanding ZEISS quality.

More possibilities for different perspectives
The various possibilities for slit adjustment allow you to use many different illumination techniques. The precision of the slit image permits structured illumination and allows the light to be scattered on even the smallest structures.
By rotating the slit, you can adapt its position to the object of interest. Slit decentration permits contrast enhancement for better detection of even the finest corneal lesions. For performing examinations with contact lenses, you can tilt the prism head by up to 20 degrees. The resulting reduction in reflections permits better observation of the chamber angle and the fundus.
Filters increase the contrast in red-free observation and fluorescence.

Everything in view
A large illuminated field allows white-to-white observations at a glance.

Designed for maximum convenience

Our slit lamps were developed in close cooperation with users. The result is the practice-oriented design of the SL 130 which ensures that it fits perfectly into your workflow.

Work with ease
The optional ACCENTO ergo tube enables work with minimum neck strain. The slit lamp can be operated intuitively with the joystick and quick-action brake. A short working distance ensures a comfortable arm and body posture.

Laser treatment
The SL 130 slit lamp can be retrofitted with a VISULINK 532/U laser link for laser coagulation or with a VISULINK PDT/U for the photodynamic therapy of age-related macular degeneration.

Standard work posture with the SL 130

Minimum neck strain with the ACCENTO ergo tube

SL 130 Slit Lamp with VISULINK

Wide range of accessories for measurement, documentation and therapy

Its symmetrically arranged controls make the SL 130 ideal for examinations with contact lenses and for laser applications. We offer numerous possibilities for upgrading the SL 130 from a first-class observation instrument to a versatile ophthalmic workstation.

Measurement of intraocular pressure
The applanation tonometer allows precise measurement of intraocular pressure. Depending on your preference, you can attach an upright tonometer to the swivel joint or mount a suspended tonometer on the stereomicroscope.

Upright AT 030 applanation tonometer

Digital documentation
The high light transmission and high-quality optics of the DigiCam system provide optimum conditions for overview and slit image photographs. An additional beam splitter allows the easy connection of coobservation devices, as well as camera and video equipment via special adapters. The DigiCam Illuminator ensures homogenous and continuous illumination of the area surrounding the slit.

Short headrest: comfort and convenience in examinations with contact lenses

Central platform for all patient information
VISUPAC, the digital image archiving and visualization system from ZEISS, manages the patient data in a professional database. Simple, fast access to diagnostic data saves time and increases office efficiency.

DigiCam system with commercial camera

Your patient is the focal point

Patient satisfaction is your number one priority. Thanks to its versatility and outstanding optics, SL 130 always ensures reliable diagnosis in both the anterior and posterior segments.

Considerably less exposure to light
The high transmission of the optical system of the SL 130 means considerably reduced exposure of your patient to light during the examination.

The SL 130 offers a broad spectrum of performance, allowing you to offer patients comprehensive eye care.

Technical Data

SL 130 Slit Lamp	
Magnification	5x, 8x, 12x, 20x, 32x with 10x eyepieces 6x, 10x, 16x, 25x, 40x with 12.5x eyepieces
Field of view diameter	40 … 6 mm with 10x eyepieces 31 … 5 mm with 12.5x eyepieces
Eyepiece magnification	optionally 10x or 12.5x super high-eyepoint eyepieces, compensation of ametropia ±8 D
Width of slit image	continuous from 0 to 14 mm; display 1 / 2 / 5 / 10 mm
Length of slit image	in steps 0.3 / 2.5 / 3.5 / 7 / 10 / 14; triple slit
Rotation of slit image	continuous ±90°
Decentration of slit image	±4° horizontally, click stop at 0°
Swivel range of slit projector	180°, scale for angular difference; click stops at -10° / 0° / +10°
Angle of incidence	0° or 0° … 20° tiltable
Filters	blue, green (red-free); heat-reflecting filter, permanently integrated; diffusing screen, swing-in
Free working distance exit prism/ patient's eye	66 mm 2.6 in
Travel of instrument base	30 mm (vertical), 110 mm (lateral), 90 mm (axial) 1.2 in (vertical), 4.3 in (lateral), 3.5 in (axial)
Vertical travel of headrest	59 mm 2.3 in
Projection illumination	6 V / 20 W halogen lamp
Brightness	continuously adjustable
Rated voltage	100 … 240 V ±10 %, self-sensing, 50 / 60 Hz
Weight	basic instrument 9.85 kg (21.72 lbs) headrest 1.25 kg (2.76 lbs)
Dimensions of basic instrument (W x H x D)	300 mm x 430 mm x 355 mm 11.8 in x 16.9 in x 13.9 in

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Carl Zeiss Meditec AG
Goeschwitzer Str. 51–52
07745 Jena
GERMANY

Phone: +49 36 41 22 03 33
Fax: +49 36 41 22 01 12
info@meditec.zeiss.com
www.meditec.zeiss.com

Carl Zeiss Meditec Inc.
5160 Hacienda Drive
Dublin, CA 94568
USA

Phone: +1 925 557 41 00
Fax: +1 925 557 41 01
info@meditec.zeiss.com
www.meditec.zeiss.com