

RODENSTOCK Instruments



Making analysis
fashionable

RSL 4500/
RSL 5000/digital

Slit Lamps

R RODENSTOCK

The RSL 4500/ RSL 5000/digital: Tune up your business



“ I totally appreciate working with my new digital slit lamp. Displaying the resulting images transforms the exam into an informative session for my patient. ”

What are your benefits?



Consistent quality
Exceptional optics ensure high resolution



Personalisation
Choose the right slit lamp from a wide range of options



Added value
Version with high-end digital imaging system available



Easy-to-operate
Smooth handling with perfectly positioned on-board illumination control



Expertise
Offer precise patient education thanks to image and video analysis (only with RSL 4500digital/RSL 5000digital)



Connectivity
Ready for connection to PRO 500 and PRO 1000/EVO



A smart selection to suit your needs.

Outstanding features



LED light source

Illuminates the eyes' real condition

IOP measurement

With optional applanation tonometer

RSL 4500digital and RSL 5000digital

Take advantage of the slit lamps with integrated digital imaging system.

Additional features:

Beam splitter, background illumination, diffuser, camera exposure control, auto left/right detection

Easy image acquisition and video recording by pressing the capture button on top of the joystick

Freeze-frame function for choosing the best shot

Kapture software with integrated database to store and examine all captures

CAMERA SYSTEM

Resolution	3 MP/2048 × 1536
Connectivity	USB 3.0
Sensor type	CMOS
Chip size	1/1.8"
Framerate	Up to 57 fps

Specifications

	RSL 4500/RSL 4500digital	RSL 5000/RSL 5000digital
OPTICAL SYSTEM		
Type	Galilean parallel binoculars 0°	Galilean converging binoculars 8°
Eyepiece	12.5x	12.5x
Magnification	Rotating drum change 6x, 10x, 16x, 25x, 40x	Rotating drum change 6x, 10x, 16x, 25x, 40x
Field of view	34, 22, 14, 8.5, 5.5 mm	34, 22, 14, 8.5, 5.5 mm
Interpupillary distance	49 to 77 mm	49 to 77 mm
Objective lens focal distance	107 mm	107 mm
Objective lens convergence angle	13°	13°
SLIT PROJECTION AND BASE		
Slit width	0-14 mm continuously adjustable	0-12 mm continuously adjustable
Slit length	0-14 mm continuously adjustable	1.0-12 mm continuously adjustable
Aperture diameters	0.2, 2, 3, 5, 9, 14 mm circle, 1 mm square and reserved	0.2, 2, 3, 5, 9, 12 mm circle (1-12 mm continuously variable), 1 mm square
Filters	Yellow, clear, red-free, neutral density, diffuser, blue, IR heat-absorbing filter	Yellow, clear, red-free, neutral density, diffuser, blue, IR heat-absorbing filter
Slit angle	+/- 90° continuous	+/- 90° continuous
Slit rotation	+/- 180° with reference scale	+/- 180° with reference scale
Base travel	25 mm Z-axis, 107 mm X-axis, 110 mm Y-axis	25 mm Z-axis, 107 mm X-axis, 110 mm Y-axis
Horizontal fine adjustment	12 mm	12 mm
Fixation lamp	Red LED	Red LED
Light source	White LED	White LED
DIMENSIONS AND WEIGHT		
Dimensions WDH	350 × 432 × 604 mm	350 × 410 × 702 mm
Weight	19 kg	21 kg
POWER SUPPLY		
Power supply unit	Switching power supply, 100 - 240 V input, complies with EN 60 6001	Switching power supply, 100 - 240 V input, complies with EN 60 6001
Power supply output	12 V DC/2.5 A IEC/EN 60 6001	12 V DC/2.5 A IEC/EN 60 6001

Optional equipment

Take a look at the supplementary products in detail.



TAT-100R
Applanation Tonometer

- Gold standard in IOP measurement
- Best reproducibility and accuracy
- Reliable and durable

Metal Plate Table Kit

- For fast and easy table mounting
- Perfect fit

