

SPECIFICATIONS

RSL 5000 / RSL 5000*digital*

Optical system

Type..... Galilean converging binoculars 8°
Magnification Rotating drum change x6, x10, x16, x25, x40
Eyepiece x12.5
Field of view 34, 22, 14, 8.5, 5.5 mm
Interpupillary distance..... 49 to 77 mm
Objective lens
focal distance..... 107 mm
Objective lens
convergence angle..... 13°

Slit projection and base

Slit width 0-12 mm continuously variable
Slit length 12 mm (1.0-12 mm continuously variable)
Aperture diameters..... 0.2, 1 mm square, 2, 3, 5, 9, 12 mm
Filters..... Clear, red free, neutral density, diffuser, blue, IR heat absorbing filter permanently installed
Slit angle..... +/- 90° continuous
Slit rotation..... +/- 90° with reference scale
Base travel 25 mm Z-axis, 107 mm X-axis, 110 mm Y-axis
Horizontal fine adjustment... 12 mm
Fixation lamp LED
Light source LED / 12V

Additional Features

Auxiliary diffuser, yellow filter integrated to optical body, TAT-100R optional available

Dimensions and weight

Dimensions WDH..... 350 x 410 x 702 mm
Weight ~ 21 kg

Power supply

Power supply unit Switch mode, (100-240V input) +/-10% multi plug compliant to EN 60601-1, EN 61000-6-2, EN 61000-6-3
Power supply output..... 12V DC / 2.5 A IEC / EN 60 6001

RSL 4300 / RSL 4500 / RSL 4500*digital*

Optical system

Type..... Parallel binoculars
Magnification Rotating drum change x6, x10, x16, x25, x40 (RSL 4500 / RSL 4500*digital*) x10, x16, x25 (RSL 4300)
Eyepiece x12.5
Field of view 34, 22, 14, 8.5, 5.5 mm (RSL 4500 / RSL 4500*digital*) 22, 14, 8.5 (RSL 4300)

Interpupillary distance..... 49 to 77 mm

Objective lens
focal distance..... 107 mm
Objective lens
convergence angle..... 13°

Slit projection and base

Slit width 0-14 mm continuously variable
Slit length 14 mm (0-14 mm continuously variable)
Aperture diameters 0.2, 1 mm square, 2, 3, 5, 9, 14 mm
Filters..... Clear, red free, neutral density, diffuser, blue, IR heat absorbing filter permanently installed
Slit angle..... +/- 90° continuous
Slit rotation..... +/- 90° with reference scale
Base travel 25 mm Z-axis, 107 mm X-axis, 110 mm Y-axis
Horizontal fine adjustment... 12 mm
Fixation lamp LED
Light source LED / 12V

Additional Features

Auxiliary diffuser, yellow filter integrated to optical body, TAT-100R optional available

Dimensions and weight

Dimensions WDH..... 350 x 432 x 604 mm
Weight ~ 19 kg

Power supply

Power supply unit Switch mode, (100-240V input) +/-10% multi plug compliant to EN 60601-1, EN 61000-6-2, EN 61000-6-3
Power supply output..... 12V DC / 2.5 A IEC / EN 60 6001

SPECIFICATIONS

RSL 5000*digital* / RSL 4500*digital*

Base unit

Integral USB hub, joystick trigger system, auto left / right detection, +/- camera exposure controls, freeze frame image review control

Illumination system

External LED background illumination system, blue filter for background illumination system

Camera System

Resolution..... 2 Megapixel: 1600 x 1200
Connectivity..... USB 3.0
Sensor Type..... CCD
Chip Size 1 / 1.8"
Framerate 17.5 fps

2018/11 – subject to change without notice



PLUG & TOUCH BY RODENSTOCK

Exceptional optics.
Outstanding reliability.

LED SLIT LAMPS

RSL series

- Integrated yellow filter
- Exceptional optics
- Work station with application software (RSL 5000*digital* & RSL 4500*digital*)
- LED illumination
- Extensive filter and accessory set
- Integrated, high sophisticated camera system (RSL 5000*digital* & RSL 4500*digital*)



RSL 5000*digital*



BK FRAMES

14350 NW 56th Court Unit # 115 Miami, FL 33054 USA

Phone: 305-685-0001 | WhatsApp +1 305-685-0001 | Fax: 305-685-0009

bkframes@bkframes.com | www.bkframes.com

RODENSTOCK Instruments. In touch with your needs.

R
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QUALITY IN DETAIL



Combining classic beauty with modern technology – our RSL 4300, RSL 4500 and RSL 5000 are the results of ideal style and substance. Enjoy the difference in easy handling with perfectly placed on-board illumination control – surely, high quality, accuracy and reliability are guaranteed. Day by day, you can rely on a perfect diagnostic tool giving your patients the highest level of examination.

RSL 5000



RSL 4300 / RSL 4500



RSL 4500digital



TAT-100R

APPLANATION TONOMETER

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



Exceptional optics + LED

The passion for high quality optics is present in the entire optical system – accuracy and reliability give the absolute confidence in this system. LED is the preferred light source nowadays. Our LED has been selected for its use and performance with an ideal colour temperature and homogeneous light illumination level.



Take control

The control of variable functions of the slit lamp and digital applications can be done via the slit lamp dashboard, starting with independently controlled main illumination, exposure time of the camera (RSL 5000digital and RSL 4500digital) up to camera trigger on the joystick.

To bring it to perfection – the high attention to mechanical parts provide a comfortable handling and smooth operation.



Digital capture + patient management

The RSL 5000digital and RSL 4500digital come with many features on top of the basic version. Additional to the combined integrated camera and beam splitter the digital series include a background illumination, diffuser and blue filter. Moreover the *Kapture* software with integrated patient database completes this work station.

The camera and review control functions allow capturing and examining these images while being stored in the database. All images and data are entered through easy to use but sophisticated software screens.

