

SPECIFICATIONS RSL 5000

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 (1.8 - 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..... +/- 180° with reference scale
Slit vertical tilt 0°, 5°, 10°, 15°, 20°
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 780 mm
Weight ~ 18 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 5000digital

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 (1.8 - 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..... +/- 180° with reference scale
Slit vertical tilt 0°, 5°, 10°, 15°, 20°
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 780 mm
Weight ~ 18 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

Base unit

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

Illumination system

External 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

The classic among
slit lamps.

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



RSL 5000digital



RODENSTOCK Instruments

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Rodenstock Instruments is a business unit of Tomey GmbH.

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RODENSTOCK

QUALITY IN DETAIL

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

TAT-100R APPLANATION TONOMETER

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



RSL 5000



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) 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 comes 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.

