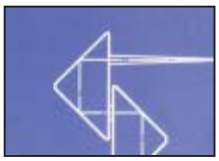
RODENSTOCK

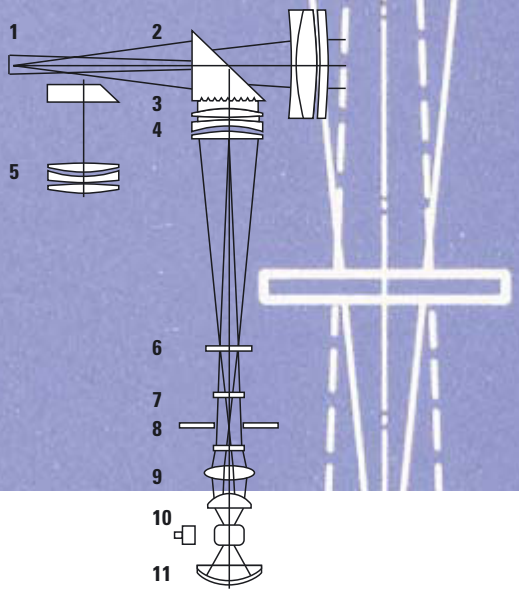


Superior slit lamps by Rodenstock

RO 5000, RO 4000, RO 3000

Rodenstock Slit lamps. Reliable technology.

Your requirements for a multifunctional slit lamp has inspired us to produce the latest product range of quality instruments.



Superior imaging thanks to reliable optics and light technology.

Unique Stereo microscope

> Select up to five magnification levels via convenient magnification changer
> Adaptation to your visual habits by a variety of ocular tubes
> Experience unrestricted visual comfort even if you wear glasses by the five-focal optics of the eyepiece

Progressive slit projector

> Excellent slit images thanks to carefully harmonised aperture and illumination arrangement
> Diffuse illumination with swivel-mounted frosted lens

Ergonomic features for operating convenience

> Convenient working distance
> Cross carriage with single-handed operation
> Slit adjustment, filter, scales and lock-in positions are within close range
> Suitable for right & left-handed users

1 Slit image
2 Prism
3 Filament image
4, 5 Objective
6 Colour filter
7 Dust protector
8, 9 Slit aperture
10 Halogen bulb
11 Concave mirror

1 RO 5000
2 Magnification changer

RO 5000 and RO 5000 EH - Precision at high level.

The RO 5000 slit lamps are characterised by a closed bearing base, which makes precise and easy positioning in front of the eye. The base also integrates the power cable making the unit appear cordless. Slit lamp intensity is supplied via an electronic lamp regulator located in the unit base. In combination with the Vario Slit you can achieve an optimum illumination of the section to be examined.

Superior stereo microscope

> Choice of either three or five magnification levels
> Adaptation to your visual requirements by either parallel or converging ocular system
> Easy implementation of discreet fluo filter changer and/or VideoMed 300 between slit lamp body and ocular tube
> Optional tonometer bracket

Unique Features

> Closed joystick base guarantees unimpeded working by an integrated cable duct. Irrespective of the installation site the cables are always laid in a protected duct inside the device
> Ball bearing base on ground tracks guarantee an extremely smooth run of the slit lamp and makes a fast and precise positioning possible
> With one step you can monitor the horizontal shift and convenient electromotive height adjustment of the RO 5000 EH. Irrespective of annoying additional features the cross carriage and height drive mechanism can be easily moved to any position

Fast slit projector

> High Illumination with consistent luminance
> Two variable slit lengths 1.5 – 8 mm and 2 – 12 mm; high light yield at different slit lengths
> Sharp slit images from the front cornea surface to the rear lens surface
> Built-in filters: fluorescence (blue), red-free (green) and grey
> Swivelling prism head

RO 4000 -
Cost effective reliable technology.

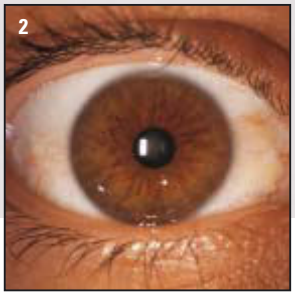
Efficiently arranged operating controls and short paths make for easy working. Slit width, height and rotation, rotating the slit illumination and filters are easily located.

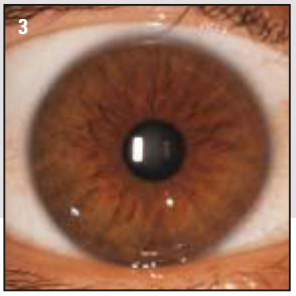
Reliable stereo microscope

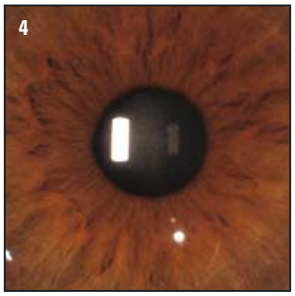
> Choice of either three or five magnification levels
> Adaptation to your visual requirements by either parallel or converging ocular system
> Easy implementation of discreet fluo filter changer and/or VideoMed 300 between slit lamp body and ocular tube
> Optional tonometer bracket

Unique Features

> Standard base designed for single-handed operation guarantees efficient instrument control
> Variable illumination level with a built in controller
> With one step you can monitor the horizontal shift and convenient height adjustment of the RO 4000





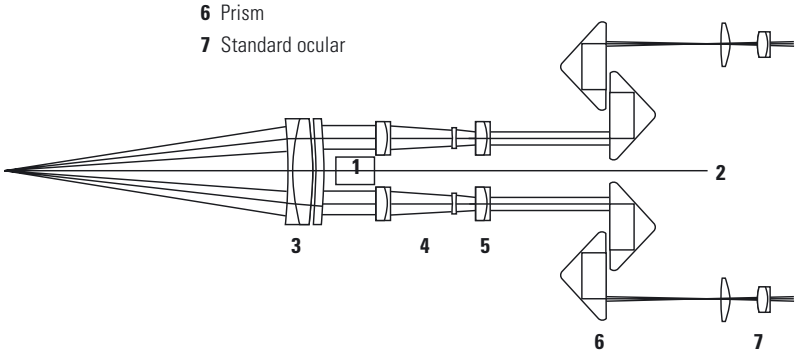


Powerful slit projector

> High illumination with consistent luminance
> Two variable slit lengths 1.5 – 8 mm and 2 – 12 mm; high light yield at different slit lengths
> Sharp slit images from the front cornea surface to the rear lens surface
> Built-in filters: fluorescence (blue), red-free (green) and grey
> Swivelling prism head

1 RO 4000
2 1st step of total magnification
3 2nd step of total magnification
4 3rd step of total magnification

1 Deviating prism
2 Visual field apertures
3 Main objective
4 Galileo quick changer
5 Tube objective
6 Prism
7 Standard ocular



RO 3000 - Familiar slit lamp technology.

On the basis of well-recognised illumination concepts the operating features and illumination are positioned on top of the microscope. Excellent optics and brilliant image distinguish the RO 3000. The unit base and microscope optics utilizes the proven Rodenstock slit lamp technique.

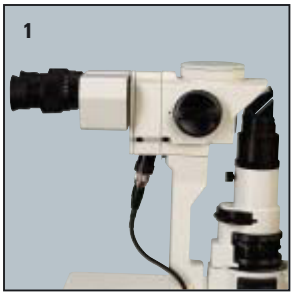
Slit projector

> Recognised slit projector with operating elements on top of the microscope
> Variable slit lengths from 2 to 12 mm
> Vertical tilting system up to 20° in 5° steps

Exceptional Stereo microscope

> Choice of either three or five magnification levels
> With converging ocular system
> High contrast and brilliant pictures due to MAR coated optical lenses

1 RO 3000
2 Slit projector



VideoMed 300.

High documentation benefits

To achieve a complete documentation of the results, all Rodenstock slit lamps can be furnished with a video module the VideoMed 300. Ideally, the VideoMed 300 is connected to the Rodenstock EyeSee software for data collection and storage. Easy implementation into the slit lamps body is possible at any time.

1 VideoMed 300

Technical specifications:

Measuring range	RO 5000		RO 4000	RO 3000
Maximum slit length*	8 mm	12 mm	12 mm	12 mm
Maximum light intensity	660000 Lx	360000 Lx	360000 Lx	360000 Lx
Slit width	0-8 mm	0-12 mm	0-12 mm	0-12 mm
Slit length	1,5-8 mm	2,25-12 mm	2,25-12 mm	2,25-12 mm
Fixed lens stop (Tyndall point)	Ø 0,4 mm	Ø 0,6 mm	Ø 0,6 mm	Ø 0,6 mm
Slit rotation	0-360°		0-360 °	0-360 °
Halogen lamp	6 V / 20 W		6 V / 20 W	6 V / 20 W
Numeric horizontal aperture	0,055		0,055	0,055
Free operating distance (eye – prism)	76 mm		76 mm	76 mm
Mean eye height	375 mm		375 mm	375 mm
Microscope				
Total magnification with	8 x		8 x	8 x
threefold changer with	15 x		15 x	15 x
eyepiece 12,5 x	30 x		30 x	30 x
Total magnification with	7 x		7 x	7 x
fivefold changer with	12 x		12 x	12 x
eyepiece 12,5 x	18 x		18 x	18 x
	27 x		27 x	27 x
	45 x		45 x	45 x
Stereo angle	11 °		11 °	11 °
PD-offset	50-78 mm		50-78 mm	50-78 mm
Electrical data				
Supply voltage Slit lamp	9 V~ / 6 V ~**		6,3 V~**	6,3 V~**
Supply frequency Fixing lamp	12 V ~		12 V~	12 V~
Supply frequency	50-60 Hz		50-60 Hz	50-60 Hz
Maximum power consumption	3,5 A		3,5 A	3,5 A

* Optically convertible

** Note: the power supply has to be certified in compliance with DIN EN 60601-1

Subject to changes within the scope of technical development.

Accessories:
VideoMed 300, EyeSee software, Tonometer, Tonometer with bracket, Tonometer bracket, Measuring ocular Tabo 10, Measuring ocular Tabo 12,5, Measuring ocular Tabo 15, Fluo-device Transformer

For further information on slit lamps and Rodenstock Instruments please call us. We would be pleased to inform you.

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