

Stereo microscope modular system – Heads KERN OZB-M



Head of the microscope series OSF-5 (OSF 512, 516)



Head of the microscope series OZL-46 (OZL 461, 462)



Head of the microscope series OZM-5 (OZM 546, 547)



Head of the microscope series OZP-5 (OZP 551, 552)



Head of the microscope series OZO-5 (OZO 556, 557)

Individuality, variety and flexible working through our modular construction system ► Stereo microscope heads

Features

- To enable the highest level of flexibility for your special requirements and applications, we have a large selection of stereo microscope heads, universal stands and external illumination units, which are easy to combine
- Through the different properties of the stereo microscope heads, as well as the flexibility of the universal stands and the professional fixing of our brackets, we can configure your ideal microscope to suit your needs
- There are various microscope heads available from our product range for this purpose, both as binocular or trinocular versions
- A C-mount adapter is required to connect a camera to the trinocular version. You can select this adapter from the corresponding model outfit lists on the following pages

Technical data

- Optical system: Greenough optics
- Further technical data and model features is located in the tables below on the following pages
 - OSF-5: p. 76
 - OZL-46: p. 76
 - OZM-5: p. 77
 - OZP-5: p. 78
 - OZO-5: p. 79

Model	Tube	Tube angle	Eyepieces (included)	Interpupillary distance	Objective	Magnification ratio	Diopter adjustment
KERN					Zoom		
OSF 512*	Binocular	45°	HSWF 10×/ø 23 mm	52-76 mm	1×/2×	-	One-sided (-6/6)
OSF 516*	Binocular	45°	HSWF 10×/ø 23 mm	52-76 mm	2×/4×	-	One-sided (-6/6)
OZL 461	Binocular	45°	HWF 10×/ø 20 mm	55-75 mm	0,7× - 4,5×	6,4:1	Both-sided (-5/5)
OZL 462	Trinocular	45°	HWF 10×/ø 20 mm	52-76 mm	0,7× - 4,5×	6,4:1	Both-sided (-5/5)
OZM 546	Binocular	45°	HSWF 10×/ø 23 mm	52-76 mm	0,7× - 4,5×	6,4:1	Both-sided (-6/6)
OZM 547	Trinocular	45°	HSWF 10×/ø 23 mm	52-76 mm	0,7× - 4,5×	6,4:1	Both-sided (-6/6)
OZP 551	Binocular	35°	HSWF 10×/ø 23 mm	52-76 mm	0,6× - 5,5×	9,2:1	Both-sided (-6/6)
OZP 552	Trinocular	35°	HSWF 10×/ø 23 mm	52-76 mm	0,6× - 5,5×	9,2:1	Both-sided (-6/6)
OZO 556*	Binocular	35°	HSWF 10×/ø 23 mm	52-76 mm	0,8× - 7×	8,8:1	Both-sided (-6/6)

■ *ONLY WHILE STOCKS LAST

- 
360° rotatable microscope head
- 
Monocular Microscope
 For the inspection with one eye
- 
Binocular Microscope
 For the inspection with both eyes
- 
Trinocular Microscope
 For the inspection with both eyes and the additional option for the connection of a camera
- 
Abbe Condenser
 With high numerical aperture for the concentration and the focusing of light
- 
Halogen illumination
 For pictures bright and rich in contrast
- 
LED illumination
 Cold, energy-saving and especially long-life illumination
- 
Incident illumination
 For non-transparent objects
- 
Transmitting illumination
 For transparent objects
- 
Fluorescence illumination
 For stereomicroscopes
- 
Fluorescence illumination for compound microscopes
 With 100 W mercury lamp and filter
- 
Fluorescence illumination for compound microscopes
 With 3 W LED illumination and filter
- 
Phase contrast unit
 For a higher contrast
- 
Darkfield condenser/unit
 For a higher contrast due to indirect illumination
- 
Polarising unit
 To polarise the light
- 
Infinity system
 Infinity corrected optical system
- 
Zoom magnification
 For stereomicroscopes
- 
Auto-focus
 For automatic control of the focus level
- 
Parallel optical system
 For stereomicroscopes, enables fatigue-proof working
- 
Integrated scale
 In the eyepiece
- 
SD card
 For data storage
- 
USB 2.0 digital camera
 For direct transmitting of the picture to a PC
- 
USB 3.0 digital camera
 For direct transmitting of the picture to a PC
- 
WiFi data interface:
 For transmitting of the picture to a mobile display device
- 
HDMI digital camera
 For direct transmitting of the picture to a display device
- 
PC software
 To transfer the measurements from the device to a PC.
- 
Automatic temperature compensation
 For measurements between 10 °C and 30 °C
- 
Protection against dust and water splashes IPxx:
 The type of protection is shown in the pictogram cf. DIN EN 60529:2000-09, IEC 60529:1989+A1:1999+A2:2013
- 
Battery operation
 Ready for battery operation. The battery type is specified for each device.
- 
Battery operation rechargeable
 Prepared for a rechargeable battery operation
- 
Plug-in power supply
 230V/50Hz in standard version for EU. On request GB, AUS or USA version.
- 
Integrated power supply unit
 Integrated in microscope. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.
- 
Package shipment
 The time required to manufacture the product internally is shown in days in the pictogram.

ABBREVIATIONS

- C-Mount** Adapter for the connection of a camera to a trinocular microscope
- FPS** Frames per second
- H(S)WF** High (Super) Wide Field (Eyepiece with high eye point for wearers of glasses)
- LWD** Long Working Distance
- N.A.** Numerical Aperture
- SLR camera** Single-Lens Reflex camera
- SWF** Super Wide Field (Field number at least \varnothing 23 mm for 10 \times eyepiece)
- W.D.** Working Distance
- WF** Wide Field (Field number up to \varnothing 22 mm for 10 \times eyepiece)