

### 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
<b>KERN</b>					Zoom		
<b>OSF 512*</b>	Binocular	45°	HSWF 10×/ø 23 mm	52–76 mm	1×/2×	–	One-sided (-6/6)
<b>OSF 516*</b>	Binocular	45°	HSWF 10×/ø 23 mm	52–76 mm	2×/4×	–	One-sided (-6/6)
<b>OZL 461</b>	Binocular	45°	HWF 10×/ø 20 mm	55–75 mm	0,7× – 4,5×	6,4:1	Both-sided (-5/5)
<b>OZL 462</b>	Trinocular	45°	HWF 10×/ø 20 mm	52–76 mm	0,7× – 4,5×	6,4:1	Both-sided (-5/5)
<b>OZM 546</b>	Binocular	45°	HSWF 10×/ø 23 mm	52–76 mm	0,7× – 4,5×	6,4:1	Both-sided (-6/6)
<b>OZM 547</b>	Trinocular	45°	HSWF 10×/ø 23 mm	52–76 mm	0,7× – 4,5×	6,4:1	Both-sided (-6/6)
<b>OZP 551</b>	Binocular	35°	HSWF 10×/ø 23 mm	52–76 mm	0,6× – 5,5×	9,2:1	Both-sided (-6/6)
<b>OZP 552</b>	Trinocular	35°	HSWF 10×/ø 23 mm	52–76 mm	0,6× – 5,5×	9,2:1	Both-sided (-6/6)
<b>OZO 556*</b>	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)