



OSF 527



OSF 526

EDUCATIONAL LINE

The robust model for school, training establishment, workshops or laboratory

Features

- The KERN OSF-5 is a very robust, stable and easy to use stereo microscope.
- Thanks to its qualities and the flexible pillar stand, it is optimally suited to rough working environments, workshops, schools and training establishments.
- In addition to its very good optical properties, its large working surface offers the best possible ease of use in this class.
- The model-dependent, powerful and separately dimmable incident and transmitted LED illumination unit reliably ensures good illumination at all times.
- The multitude of objective combinations, the extra large working distance and the depth of view are all you can wish for.
- The large selection of additional eyepieces, including for wearers of glasses, and further accessories, round the package off.
- One of the central features of this variable and simultaneously robust series of microscopes is the stable and precisely adjustable mechanism. This is underlined by the functional and ergonomic design.

Technical data

- Optical system: Greenough
- Brightness adjustable
- Tube: 45° inclined
- Interpupillary distance: 52 – 76 mm
- Diopter adjustment (one-sided)
- Packing dimensions WxDxH 370x330x385 mm

OSF 522 / OSF 524 / OSF 526

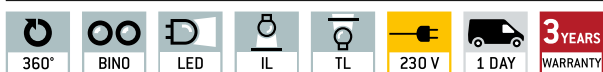
- Net weight approx. 2,8 kg

OSF 523 / OSF 525 / OSF 527

- Net weight approx. 3,8 kg

Please find detailed information in the following charts.

STANDARD



OPTION































| Model | Standard configuration | | | | | |
|----------------|------------------------|------------------|------------------|-----------|--------------|--|
| | Tube | Eyepiece | Field of view mm | Objective | Stand | Illumination |
| KERN | | | | | | |
| OSF 522 | Binocular | HSWF 10x Ø 23 mm | Ø 23 | 1x / 2x | Pillar style | - |
| OSF 523 | Binocular | HSWF 10x Ø 23 mm | Ø 23 | 1x / 2x | Pillar style | 3W LED (incident); 3W LED (transmitting) |
| OSF 524 | Binocular | HSWF 10x Ø 23 mm | Ø 23 | 1x / 3x | Pillar style | - |
| OSF 525 | Binocular | HSWF 10x Ø 23 mm | Ø 23 | 1x / 3x | Pillar style | 3W LED (incident); 3W LED (transmitting) |
| OSF 526 | Binocular | HSWF 10x Ø 23 mm | Ø 23 | 2x / 4x | Pillar style | - |
| OSF 527 | Binocular | HSWF 10x Ø 23 mm | Ø 23 | 2x / 4x | Pillar style | 3W LED (incident); 3W LED (transmitting) |

| Eyepiece | Specifications – Objectives | | | | |
|------------------|-----------------------------|--------|--------|--------|--------|
| | Magnification | 1x | 2x | 3x | 4x |
| HSWF 10x | Total magnification | 10x | 20x | 30x | 40x |
| | Field of view mm | Ø 23 | Ø 11,5 | Ø 7,67 | Ø 5,75 |
| SWF 15x | Total magnification | 15x | 30x | 45x | 60x |
| | Field of view mm | Ø 17 | Ø 8,5 | Ø 5,67 | Ø 4,25 |
| SWF 20x | Total magnification | 20x | 40x | 60x | 80x |
| | Field of view mm | Ø 14 | Ø 7 | Ø 4,67 | Ø 3,5 |
| SWF 30x | Total magnification | 30x | 60x | 90x | 120x |
| | Field of view mm | Ø 9 | Ø 4,5 | Ø 3 | Ø 2,25 |
| Working distance | | 105 mm | 105 mm | 105 mm | 105 mm |

| Model outfit | | Model KERN | | | | | | Order number | |
|-----------------------|---|------------|---------|---------|---------|---------|---------|--------------|--|
| | | OSF 522 | OSF 523 | OSF 524 | OSF 525 | OSF 526 | OSF 527 | | |
| Eyepieces | HSWF 10x / Ø 23 mm | ●● | ●● | ●● | ●● | ●● | ●● | OZB-A5503 | |
| | SWF 15x / Ø 17 mm | ○○ | ○○ | ○○ | ○○ | ○○ | ○○ | OZB-A5504 | |
| | SWF 20x / Ø 14 mm | ○○ | ○○ | ○○ | ○○ | ○○ | ○○ | OZB-A5505 | |
| | SWF 30x / Ø 9 mm | ○○ | ○○ | ○○ | ○○ | ○○ | ○○ | OZB-A5506 | |
| | HSWF / Ø 23 mm (reticule 0,1 mm) | ○ | ○ | ○ | ○ | ○ | ○ | OZB-A5512 | |
| | SWF / Ø 17 mm (reticule 0,05 mm) | ○ | ○ | ○ | ○ | ○ | ○ | OZB-A5513 | |
| | SWF / Ø 14 mm (reticule 0,05 mm) | ○ | ○ | ○ | ○ | ○ | ○ | OZB-A5514 | |
| Darkfield attachment | Darkfield attachment | ○ | ○ | ○ | ○ | ○ | ○ | OBB-A6201 | |
| Object clamp | Object clamp | ○ | ○ | ○ | ○ | ○ | ○ | OBB-A6205 | |
| Stands | Pillar style, without illumination | ● | | ● | | ● | | | |
| | Pillar style, with 3W LED illumination (transmitting + incident) | | ● | | ● | | ● | | |
| | Please find more stands in the catalogue on page 64 and on our website www.kern-sohn.com | | | | | | | | |
| Stage plate | Frosted glass / Ø 94,5 mm | | ● | | ● | | ● | OZB-A5192 | |
| | Black-white / Ø 94,5 mm | ● | | ● | | ● | | OZB-A5191 | |
| | Glass / Ø 94,5 mm | | ○ | | ○ | | ○ | OZB-A5190 | |
| Mechanical stage | Stage size: WxD 188x160 mm, Travel: 76x65 mm, for transmitting and incident illumination | ○ | ○ | ○ | ○ | ○ | ○ | OZB-A5781 | |
| | Stage size: WxD 180x175 mm; Travel: 100x86 mm, for incident illumination only | ○ | ○ | ○ | ○ | ○ | ○ | OZB-A5782 | |
| External illumination | Please find the information about external illumination units in the catalogue from page 68 and on our website www.kern-sohn.com | | | | | | | | |

● = Standard configuration

○ = Option

| | | | | | |
|--|--|---|---|---|---|
|  360° | 360° rotatable microscope head |  FL-HB0 | Fluorescence illumination for compound microscopes With 100 W mercury lamp and filter |  AUTO ATC | Automatic temperature compensation For measurements between 10 °C and 30 °C |
|  MONO | Monocular Microscope For the inspection with one eye |  FL-LED | Fluorescence illumination for compound microscopes With 3 W LED illumination and filter |  IP | Protection against dust and water splashes IPxx The type of protection is shown by the pictogram. |
|  BINO | Binocular Microscope For the inspection with both eyes |  PH | Phase contrast unit For a higher contrast |  BATT | Battery operation Ready for battery operation. The battery type is specified for each device. |
|  TRINO | Trinocular Microscope For the inspection with both eyes and the additional option for the connection of a camera |  POLAR | Polarising unit To polarise the light |  ACCU | Rechargeable battery pack Rechargeable set. |
|  ABBE | Abbe Condenser With high numerical aperture for the concentration and the focusing of light |  INFINITY | Infinity system Infinity corrected optical system |  230 V | Mains adapter 230V/50Hz in standard version for EU. On request GB, AUS or USA version. |
|  HAL | Halogen illumination For pictures bright and rich in contrast |  ZOOM | Zoom magnification For stereomicroscopes |  230 V | Power supply Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request. |
|  LED | LED illumination Cold, energy saving and especially long-life illumination |  PARALLEL | Parallel optical system For stereomicroscopes, enables fatigue-proof working |  DAYS | Package shipment The time required to manufacture the product internally is shown in days in the pictogram. |
|  IL | Incident illumination For non-transparent objects |  SCALE | Integrated scale In the eyepiece |  3 YEARS WARRANTY | Warranty The warranty period is shown in the pictogram. |
|  TL | Transmitting illumination For transparent objects |  USB 2.0 | Integrated USB 2.0 digital camera For direct transmitting of the picture to a PC | | |
|  FL | Fluorescence illumination For stereomicroscopes |  USB 3.0 | Integrated USB 3.0 digital camera For direct transmitting of the picture to a PC | | |

Abbreviations

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

Your KERN specialist dealer: