



OZR 564/OZS 574  
With illumination



OZR 563/OZS 573  
Without illumination

**PROFESSIONAL LINE**

Professional stereo zoom microscope with parallel optics for excellent images, depth of field, contrast and fatigue-free working



**Features**

- The KERN OZR/OZS series is a special, high-quality stereo zoom microscope with parallel optics for demanding analyses
- The KERN OZR/OZS series is available as a strong, continuously adjustable 3 W LED reflected and transmitted light variant for the very best illumination of your sample or as a variant without illumination
- The parallel optical system is a high-quality optical system and provides excellent images with the best contrast, colour and depth of field with fatigue-free working. Refocusing is also only necessary in very few cases when magnifying the zoom
- The continuously adjustable magnification range from 8 to 50 times (OZR-5) or 80 times (OZS-5) magnification means that you can work quickly and effectively
- As standard, the models of the KERN OZR/OZS series are trinocular and are therefore equipped for connecting a camera for documentation purposes and for quality reports

- The pillar stand is particularly flexible due to its variable and sturdy adjustment mechanism and therefore enables ergonomic working procedures
- A large selection of eyepieces, (universal) stands, a darkfield kit, external illumination units as well as auxiliary objectives and more are available as accessories
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery
- A C-mount adapter is required to connect a camera to the trinocular version. You can select this adapter from the following model outfit list
- Please find detailed information in the following model outfit list

**Scope of application**

- In vitro fertilisation, detection of parasites, zoology and botany, tissue preparation, section, quality control, electronics and semiconductor industry, assembly and repair

**Applications/Samples**

- Samples with focus on three-dimensional impression, zoom with variable magnification (depth, thickness), e.g. insects, seeds, circuit boards, components

**Technical data**

- Optical system: Parallel optics
- Brightness adjustable (separate)
- Tube 45° inclined
- Magnification ratio OZR-5: 6,25:1
- Magnification ratio OZS-5: 10:1
- Light distribution 50:50
- Interpupillary distance 52 – 76 mm
- Diopter adjustment: Both-sided
- Overall dimensions W×D×H 305×300×540 mm
- Net weight approx. 5,5 kg

STANDARD



OPTION



Model	Standard configuration						Price excl. of VAT ex works €
	Tube	Eyepiece	Field of view mm	Objective Zoom	Stand	Illumination	
<b>KERN</b>							
<b>OZR 563*</b>	Trinocular	HWF 10×/ø 22 mm	ø 27,5 – 4,4	0,8× – 5×	Pillar style	–	<b>990,-</b>
<b>OZR 564*</b>	Trinocular	HWF 10×/ø 22 mm	ø 27,5 – 4,4	0,8× – 5×	Pillar style	3 W LED (incident); 3 W LED (transmitted)	<b>1750,-</b>
<b>OZS 573*</b>	Trinocular	HWF 10×/ø 22 mm	ø 27,5 – 2,75	0,8× – 8×	Pillar style	–	<b>1950,-</b>
<b>OZS 574</b>	Trinocular	HWF 10×/ø 22 mm	ø 27,5 – 2,75	0,8× – 8×	Pillar style	3 W LED (incident); 3 W LED (transmitted)	<b>3090,-</b>

\* ONLY WHILE STOCKS LAST

Price reduction

Eyepiece	Specifications - Objectives								
	Magnification	Standard Plan 1,0×		Achr. objective 0,5×		Achr. objective 0,7×		Achr. objective 1,5× (Auxiliary)	
		OZR 563	OZS 573	OZR 563	OZS 573	OZR 563	OZS 573	OZR 563	OZS 573
HWF 10×	Total magnification	8× - 50×	8× - 80×	4× - 25×	4× - 40×	5,6× - 35×	5,6× - 56×	12× - 75×	12× - 120×
	Field of view mm	∅ 27,5 - 4,4	∅ 27,5 - 2,75	∅ 55 - 8,8	∅ 55 - 5,5	∅ 39,3 - 6,3	∅ 39,3 - 3,93	∅ 18,33 - 2,93	∅ 18,33 - 1,83
SWF 15×	Total magnification	12× - 75×	12× - 120×	6× - 37,5×	6× - 60×	8,4× - 5,5×	8,4× - 84×	18× - 112,5×	18× - 180×
	Field of view mm	∅ 21,25 - 3,4	∅ 21,25 - 2,13	∅ 42,5 - 6,8	∅ 42,5 - 4,25	∅ 30,36 - 4,86	∅ 30,36 - 3,04	∅ 14,17 - 2,27	∅ 14,17 - 1,42
SWF 20×	Total magnification	16× - 100×	16× - 160×	8× - 50×	8× - 80×	11,2× - 70×	11,2× - 112×	24× - 150×	24× - 240×
	Field of view mm	∅ 17,5 - 2,8	∅ 17,5 - 1,75	∅ 35 - 5,6	∅ 35 - 3,5	∅ 25 - 4	∅ 25 - 2,5	∅ 11,67 - 1,87	∅ 11,67 - 1,17
SWF 30×	Total magnification	24× - 150×	24× - 240×	12× - 75×	12× - 120×	16,8× - 105×	16,8× - 168×	36× - 225×	36× - 360×
	Field of view mm	∅ 11,25 - 1,8	∅ 11,25 - 1,13	∅ 22,5 - 3,6	∅ 22,5 - 2,25	∅ 16,1 - 2,57	∅ 16,1 - 1,61	∅ 7,5 - 1,2	∅ 7,5 - 0,75
<b>Working distance</b>		91 mm		186 mm		135 mm		40 mm	
<b>Maximum sample height</b>		100 mm		30 mm		80 mm		125 mm	

Model outfit		Model KERN				Order number	Price/piece excl. of VAT ex works €
		OZR 563	OZR 564	OZS 573	OZS 574		
Eyepieces (30,0 mm)	HWF 10×/∅ 22 mm	✓✓	✓✓	✓✓	✓✓	OZB-A5502	65,-
	SWF 15×/∅ 17 mm	○○	○○	○○	○○	OZB-A5504	65,-
	SWF 20×/∅ 14 mm	○○	○○	○○	○○	OZB-A5505	75,-
	SWF 30×/∅ 9 mm	○○	○○	○○	○○	OZB-A5506	90,-
	HWF 10×/∅ 22 mm (reticule 0,1 mm)	○	○	○	○	OZB-A5511	115,-
	SWF 15×/∅ 17 mm (reticule 0,05 mm)	○	○	○	○	OZB-A5513	115,-
	SWF 20×/∅ 14 mm (reticule 0,05 mm)	○	○	○	○	OZB-A5514	115,-
<b>Plan achromatic objective</b>	1,0×	✓	✓	✓	✓	OZB-A5603	500,-
<b>Achromatic objectives</b>	0,5×	○	○	○	○	OZB-A5601	210,-
	0,7×	○	○	○	○	OZB-A5602	210,-
	1,5× Only in combination with OZB-A5603	○	○	○	○	OZB-A5604	270,-
<b>Trinocular beamsplitter</b>	Division 100:0	✓	✓	✓	✓	OZB-A5401	580,-
	Division 50:50	○	○	○	○	OZB-A5402	580,-
<b>C-Mount</b>	0,3× (focus adjustable)	○	○	○	○	OZB-A5701	125,-
	0,5× (focus adjustable)	○	○	○	○	OZB-A5702	125,-
	1,0× (focus adjustable)	○	○	○	○	OZB-A5703	95,-
	1,0× (with micrometer) only in combination with OZB-A5703	○	○	○	○	OZB-A5704	260,-
	for SLR cameras (Nikon)	○	○	○	○	OZB-A5706	260,-
	for SLR cameras (Olympus)	○	○	○	○	OZB-A5707	260,-
	for SLR cameras (Canon)	○	○	○	○	OZB-A5708	260,-
<b>Darkfield unit</b>	Darkfield unit		○		○	OZB-A4601	70,-
<b>Object clamp</b>	Object clamp	○	○	○	○	OBB-A6205	35,-
<b>Stand</b>	Pillar style, without illumination	✓		✓			
	Pillar style, with 3 W LED illumination (transmitted + incident)		✓		✓		
<b>Stage plate</b>	Frosted glass/∅ 94,5 mm		✓		✓	OZB-A5192	19,-
	Black-white/∅ 94,5 mm	✓	✓	✓	✓	OZB-A5191	19,-
	Clear glass/∅ 94,5 mm		○		○	OZB-A5190	19,-
<b>Mechanical stage</b> (Pre-assembling on request)	Stage size W×D 188×160 mm, Travel 76×65 mm, for incident and transmitted illumination	○	○	○	○	OZB-A5781	210,-
	Stage size W×D 180×175 mm, Travel 100×86 mm, for incident illumination only	○	○	○	○	OZB-A5782	245,-
<b>External illumination</b>	Please find the information about external illumination units in the catalogue on page 83 and on our website <a href="http://www.kern-sohn.com">www.kern-sohn.com</a>						

✓ = Included with delivery

○ = Option