



Professional Line

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

Features

- The KERN OZS 574 is a special, high-quality stereo zoom microscope with parallel optics for demanding analyses
- The KERN OZS 574 is available as a strong, continuously adjustable 3 W LED reflected and transmitted light variant for the very best illumination of your sample
- 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.
- As standard this microscope offers you continuous total magnification of 8x - 80x
- As standard, the KERN OZS 574 is trinocular and is 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, LCD/LED electronics, semiconductor technology, 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 10,0:1
- Beam path distribution: 0:100
- Interpupillary distance: 52 mm - 76 mm
- Diopter adjustment, both-sided
- Overall dimensions W×D×H 305×300×540 mm
- Net weight approx. 6 kg

Further accessories and spare parts
see [internet](#)

STANDARD



OPTION



Model	Tube	Eyepiece	Field of view	Objective Zoom	Stand	Illumination
KERN						
OZS 574	Trinocular	HWF 10x/Ø 22 mm	Ø 27,5 - 2,75 mm	0,8x - 8x	pillar	3 W LED (incident + transmitted)

Eyepiece	Specifications - Objectives				
	Magnification	Standard Plan	Achr. objective		
			Achr. objective (Auxiliary)		
	1,0x	0,5x	0,7x	1,5x	
HWF 10x	Total magnification	8x - 80x	4x - 40x	5,6x - 56x	12x - 120x
	Field of view mm	Ø 27,5 - 2,75	Ø 55 - 5,5	Ø 39,3 - 3,93	Ø 18,33 - 1,83
SWF 15x	Total magnification	12x - 120x	6x - 60x	8,4x - 84x	18x - 180x
	Field of view mm	Ø 21,25 - 2,13	Ø 42,5 - 4,25	Ø 30,36 - 3,04	Ø 14,17 - 1,42
SWF 20x	Total magnification	16x - 160x	8x - 80x	11,2x - 112x	24x - 240x
	Field of view mm	Ø 17,5 - 1,75	Ø 35 - 3,5	Ø 25 - 2,5	Ø 11,67 - 1,17
SWF 30x	Total magnification	24x - 240x	12x - 120x	16,8x - 168x	36x - 360x
	Field of view mm	Ø 11,25 - 1,13	Ø 22,5 - 2,25	Ø 16,1 - 1,61	Ø 7,5 - 0,75
Working distance	91 mm	186 mm	135 mm	40 mm	
Maximum sample height	100 mm	30 mm	80 mm	125 mm	

Model outfit	Model KERN		Order number
	OZS 574		
Eyepieces (30 mm)	HWF 10x/Ø 22 mm	✓✓	OZB-A5502
	SWF 15x/Ø 17 mm	○○	OZB-A5504
	SWF 20x/Ø 14 mm	○○	OZB-A5505
	SWF 30x/Ø 9 mm	○○	OZB-A5506
	HWF 10x/Ø 22 mm (reticule 0,1 mm)	○	OZB-A5511
	SWF 15x/Ø 17 mm (reticule 0,05 mm)	○	OZB-A5513
	SWF 20x/Ø 14 mm (reticule 0,05 mm)	○	OZB-A5514
Plan achromatic objective	1x	✓	OZB-A5603
Achromatic objectives	0,5x	○	OZB-A5601
	0,7x	○	OZB-A5602
	1,5x, Only in combination with OZB-A5603	○	OZB-A5604
Trinocular beamsplitter	Division 100:0	✓	OZB-A5401
	Division 50:50	○	OZB-A5402
C-Mount	0,3x (focus adjustable)	○	OZB-A5701
	0,5x (focus adjustable)	○	OZB-A5702
	1x (focus adjustable)	○	OZB-A5703
	1,0x (with micrometer) only in combination with OZB-A5703	○	OZB-A5704
Darkfield unit		○	OZB-A4601
Object clamp		○	OBB-A6205
Stand	Pillar, with 3 W LED illumination (transmission + incident)	✓	
Stand insert	Frosted glass/Ø 94,5 mm	✓	OZB-A5192
	Black-white/Ø 94,5 mm	✓	OZB-A5191
	Clear glass/Ø 94,5 mm	○	OZB-A5190
Mechanical stage (Pre-assembling on request)	Stage size B×T 188×160 mm, Travel 76×65 mm, for transmitted and incident illumination	○	OZB-A5781
	Stage size B×T 180×175 mm, Travel 100×86 mm, for incident illumination only	○	OZB-A5782

✓ = included with the delivery

○ = Option