



OZP 556



OZP 558

Lab Line

Professional and powerful – thanks to its extremely large magnification range, strong illumination and first-class optics

Features

- The KERN OZP stereo zoom microscope stands out through its above-average magnification range and its robust shape which is also ergonomic, it enables effortless, simple working over a period of several hours
- The KERN OZP series is available as a strong, continuously adjustable 3W LED reflected and transmitted light variant for the very best illumination of your sample
- With its large working distance, an extra large field of view and its brilliant resolution, the KERN OZP provides sharp, high-contrast, colour-true images.
- As standard this microscope offers you continuous total magnification of 6x – 55x
- There is a choice of a binocular model as well as a trinocular model 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

- Zoology and botany, quality control, LCD/LED electronics, semiconductor technology, assembly and repair

Applications/Samples

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

Technical data

- Optical system: Greenough optics
- Brightness adjustable (separate)
- Tube 35° inclined
- Magnification ratio 9,2:1
- OZP 558: Beam path distribution: 0:100
- Interpupillary distance: 52 mm – 76 mm
- Diopter adjustment, both-sided
- Overall dimensions W×D×H 330×285×470 mm
- Net weight approx. 4,8 kg

STANDARD

OPTION

Model	Tube	Eyepiece	Field of view	Objective Zoom	Stand	Illumination
KERN						
OZP 556	Binocular	HSWF 10x/Ø 23 mm	Ø 35 – 4,2 mm	0,6x – 5,5x	pillar	3 W LED (incident + transmitted)
OZP 558	Trinocular	HSWF 10x/Ø 23 mm	Ø 38,3 – 4,2 mm	0,6x – 5,5x	pillar	3 W LED (incident + transmitted)

Eyepiece	Specifications – Objectives					
	Magnification	Standard	Auxiliary objectives			
			1,0x	0,5x	0,7x	1,5x
HSWF 10x	Total magnification	6x – 55x	3x – 27,5x	4,2x – 38,5x	9x – 82,5x	12x – 110x
	Field of view mm	Ø 38,3 – 4,2	Ø 76,7 – 8,4	Ø 54,8 – 6	Ø 25,6 – 2,8	Ø 19,2 – 2,1
SWF 15x	Total magnification	9x – 82,5x	4,5x – 41,25x	6,3x – 57,75x	13,5x – 123,75x	18x – 165x
	Field of view mm	Ø 28,3 – 3,1	Ø 56,7 – 6,2	Ø 40,5 – 4,4	Ø 18,9 – 2,1	Ø 14,2 – 1,5
SWF 20x	Total magnification	12x – 110x	6x – 55x	8,4x – 77x	18x – 165x	24x – 220x
	Field of view mm	Ø 23,3 – 2,5	Ø 46,7 – 5,1	Ø 33,3 – 3,6	Ø 15,6 – 1,7	Ø 11,7 – 1,3
SWF 30x	Total magnification	18x – 165x	9x – 82,5x	12,6x – 115,5x	27x – 247,5x	36x – 330x
	Field of view mm	Ø 15 – 1,6	Ø 30 – 3,3	Ø 21,4 – 2,3	Ø 10 – 1,1	Ø 7,5 – 0,8
Working distance		108 mm	195 mm	145 mm	58 mm	35 mm
Maximum sample height		110 mm	10 mm	45 mm	140 mm	150 mm

Model outfit		Model KERN		Order number
		OZP 556	OZP 558	
Eyepieces (30 mm)	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 10x/Ø 23 mm (reticule 0,1 mm)	○	○	OZB-A5512
	SWF 15x/Ø 17 mm (reticule 0,05 mm)	○	○	OZB-A5513
	SWF 20x/Ø 14 mm (reticule 0,05 mm)	○	○	OZB-A5514
Achromatic auxiliary objectives	0,5x	○	○	OZB-A5612
	0,7x	○	○	OZB-A5613
	1,5x	○	○	OZB-A5615
	2x	○	○	OZB-A5616
	Soldering protection lens	○	○	OZB-A5614
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		○	○	OBG-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

Further accessories and spare parts
see *Internet*