



Stage plate black



Stage plate white

Educational Line

The practical and robust product for schools, training centres, the workshop and laboratory

Features

- With its integrated handle as well as its stable mechanical stand, the KERN OSF-43 has been specially developed for schools and workshops
- The LED incident and transmitted illumination included as standard guarantees the very best, continuously dimmable illumination for your sample
- As well as very good optical characteristics, its ergonomic working surface means that it offers the highest level of convenience in this class.
- A turnable objective with predefined magnifications is available to make your working procedures quicker and more efficient.
- The eyepieces are fixed in the eyepiece tube, to stop them getting damaged or lost

- The ergonomic shape and the stable mechanism which can be adjusted extremely accurately offer a high level of functionality and enable you to work quickly and efficiently with very little effort.
- A large selection of eyepieces as well as various additional external illumination units are available as accessories
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery
- Please find detailed information in the following model outfit list

Scope of application

- Training, in vitro fertilisation, detection of parasites, zoology and botany, tissue preparation, section, quality control

Applications/Samples

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

Technical data

- Optical system: Greenough optics
- Brightness adjustable (separate)
- Tube 45° inclined
- Interpupillary distance: 55 mm – 75 mm
- Diopter adjustment, one-sided
- Overall dimensions W×D×H 230×180×275 mm
- Net weight approx. 2,4 kg



Model	Tube	Eyepiece	Field of view	Objective	Stand	Illumination
KERN						
OSF 438	Binocular	WF 10x/Ø 20 mm	20 mm	1x / 2x / 3x	mechanical	1 W LED (incident), 0,35 W LED (transmitted)
OSF 439	Binocular	WF 10x/Ø 20 mm	20 mm	1x / 2x / 4x	mechanical	1 W LED (incident), 0,35 W LED (transmitted)

Eyepiece	Specifications – Objectives				
	Magnification	1x	2x	3x	4x
WF 5x	Total magnification	5x	10x	15x	20x
	Field of view mm	Ø 20	Ø 10	Ø 6,7	Ø 5
WF 10x	Total magnification	10x	20x	30x	40x
	Field of view mm	Ø 20	Ø 10	Ø 6,7	Ø 5
WF 15x	Total magnification	15x	30x	45x	60x
	Field of view mm	Ø 15	Ø 7,5	Ø 5	Ø 3,7
WF 20x	Total magnification	20x	40x	60x	80x
	Field of view mm	Ø 10	Ø 6,5	Ø 4,3	Ø 3,2
Working distance		57 mm	57 mm	57 mm	57 mm

Model outfit		Model KERN		Order number
		OSF 438	OSF 439	
Eyepieces (30,5 mm)	WF 5x/Ø 16,2 mm	○○	○○	OZB-A4101
	WF 10x/Ø 20 mm	✓✓	✓✓	OZB-A4102
	WF 15x/Ø 15 mm	○○	○○	OZB-A4103
	WF 20x/Ø 10 mm	○○	○○	OZB-A4104
	WF 10x/Ø 20 mm (with scale 0,1 mm)	○	○	OZB-A4151
Stand	Mechanical, incl. handle, with LED illumination (0,35 W transmitted + 1 W incident)	✓	✓	
Stand insert	Frosted glass/Ø 59,5 mm	✓	✓	OZB-A4815
	Black-white/Ø 59,5 mm	✓	✓	OZB-A4816

✓ = included with the delivery

○ = Option

Further accessories and spare parts
see *internet*