



Side view

Educational Line

Stereo microscope with robust, ergonomic design – ideal for workshops, schools and training

Features

- With its integrated handle as well as its stable mechanical stand, the KERN OSE 421 has been specially developed for schools and workshops
- The incident and transmitted illumination unit included as standard can be optionally enabled for the very best illumination of your sample
- Mobile use is also no problem due to the integrated battery compartment
- Despite its low price it has very good optical characteristics, which enable you to have sharp images over a large field of view
- 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
- A special feature of this adaptable and yet robust microscope series is the stable mechanism of the microscope stand which can be adjusted precisely. It will also impress you with its functionality and ergonomic design.
- A large selection of eyepieces as well as various additional external illumination units are available as accessories
- 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-dimesnional impression (depth, thickness), e.g. insects, seeds, circuit boards, components

Technical data

- Optical system: Greenough optics
- Brightness adjustable
- Tube 45° inclined
- Interpupillary distance: 55 mm – 75 mm
- Diopter adjustment, both-sided
- Overall dimensions W×D×H 200×180×300 mm
- Net weight approx. 2,2 kg



Model	Tube	Eyepiece	Field of view	Objective	Stand	Illumination
KERN						
OSE 421	Binocular	WF 10x/Ø 20 mm	20 mm	2x / 4x	mechanical	1 W LED (incident), 1 W LED (transmitted)

Stereo Microscope KERN OSE-42

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

Model outfit		Model KERN	Order number
		OSE 421	
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, with 1 W LED illumination (transmitted + 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*