

Stereomicroscope KERN OSE-42



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 arm curved stand, the KERN OSE-42 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
- An 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

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
- Tube 45° inclined
- Interpupillary distance 55 – 75 mm
- Diopter adjustment: Both-sided
- Overall dimensions W×D×H 200×180×300 mm
- Net weight approx. 2 kg

STANDARD



Model	Standard configuration					
	Tube	Eyepiece	Field of view mm	Objective	Stand	Illumination
KERN OSE 42 1	Binocular	WF 10×/ø 20 mm	ø 20	2×/4×	Arm curved	1 W LED (incident); 1 W LED (transmitted)

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

Model outfit		Model KERN	Order number	
		OSE 421		
Eyepieces (30,5 mm)	WF 5×/∅ 16,2 mm	○ ○	OZB-A4 101	
	WF 10×/∅ 20 mm	✓ ✓	OZB-A4 102	
	WF 15×/∅ 15 mm	○ ○	OZB-A4 103	
	WF 20×/∅ 10 mm	○ ○	OZB-A4 104	
	WF 10×/∅ 20 mm (reticule 0,1 mm)	○	OZB-A4 151	
Stand	Arm curved, with 1 W LED illumination (transmitted + incident)	✓		
Stage plate	Frosted glass/∅ 59,5 mm	✓	OZB-A4815	
	Black-white/∅ 59,5 mm	✓	OZB-A4816	
External illumination	Please find the information about external illumination units in the catalogue on page 83 and on the internet			

✓ = Included with delivery

○ = Option