



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 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
<b>KERN</b>						
<b>OSE 421</b>	Binocular	WF 10×/ø 20 mm	ø 20	2×/4×	Arm curved	1 W LED (incident); 1 W LED (transmitted)

# Stereomicroscope KERN OSE-42

## Eyepiece

## Specifications – Objectives

	Magnification	2×	4×
<b>WF 5×</b>	Total magnification	10×	20×
	Field of view mm	∅ 10	∅ 5
<b>WF 10×</b>	Total magnification	20×	40×
	Field of view mm	∅ 10	∅ 5
<b>WF 15×</b>	Total magnification	30×	60×
	Field of view mm	∅ 7,5	∅ 3,7
<b>WF 20×</b>	Total magnification	40×	80×
	Field of view mm	∅ 6,5	∅ 3,2
<b>Working distance</b>		57 mm	57 mm

## Model outfit

## Model KERN

## Order number

		OSE 421	
<b>Eyepieces</b> (30,5 mm)	WF 5×/∅ 16,2 mm	○ ○	OZB-A4101
	WF 10×/∅ 20 mm	✓ ✓	OZB-A4102
	WF 15×/∅ 15 mm	○ ○	OZB-A4103
	WF 20×/∅ 10 mm	○ ○	OZB-A4104
	WF 10×/∅ 20 mm (reticule 0,1 mm)	○	OZB-A4151
<b>Stand</b>	Arm curved, with 1 W LED illumination (transmitted + incident)	✓	
<b>Stage plate</b>	Frosted glass/∅ 59,5 mm	✓	OZB-A4815
	Black-white/∅ 59,5 mm	✓	OZB-A4816

✓ = Included with delivery

○ = Option