

KERN OBS 114

KERN

The school microscope – for the first steps in microscopy and for use in biology lessons



Ocular magnifications	10 x
Ocular visual field	18 mm
Ocular diameter	23,2 mm

Focussing

Fine drive minimum	0,00025 mm
Field of view [Min]	0,45 mm
Field of view [Max]	4,5 mm

Focusing mechanism	coaxial coarse and fine drive
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Illumination

Illumination intensity transmitted light	0,5 W
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Illumination type transmitted light	LED
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Illuminance	Transmitted light
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Aperture diaphragm	✓
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Filter possible	✓
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Power Supply

Input voltage power supply / power [Max]	100 - 240 V
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Input voltage device / power [Max]	3V, 500mA
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Plug-in power supply type	Power adapter
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Supplied power supply	Power supply unit
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Plug-in power supply / adapter for countries - included with the delivery	EURO
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Plug-in power supply / adapter for countries - optional	EURO UK
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Environmental conditions

Storage temperature [Min]	-5 °C
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Storage temperature [Max]	40 °C
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Packing & Shipping

Readability force [d] (N)	1 d
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Dimensions packaging (W×D×H)	410×280×210 mm
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Net weight	3,138 kg
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Shipping method	Parcel service
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Net weight approx.	3,2 kg
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Gross weight approx.	4,0 kg
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Shipping weight	4,8 kg
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Objective

Objectives - Details	Objective Achromatic 10 x / 0,25 anti-fungus Objective Achromatic 4
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Category

Brand	Optics
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Product category	Microscope
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Product group	Compound microscope
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Product family	OBS-1
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Approval

CE mark	✓
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Construction

Dimension (W×D×H)	130×300×310 mm
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Optical system	Finite
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Tube type	Siedentopf
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Tube type	Binocular
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Tube angle of inclination	30°
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Tube 360° rotation	✓
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Lens quality	achromatic
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	4×
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Standard objectives	10×
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	40×
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Nosepiece screw-in locations	4
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Eyepieces fixed	✓
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Diopter adjustment	both-sided
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Diopter adjustment [Min]	-5
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Diopter adjustment [Max]	5
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Contrasting methods	Bright field
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Interpupillary distance [Max]	75 mm
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Interpupillary distance [Min]	55 mm
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Ocular

Ocular field width	WF
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Eye point	Standard
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x / 0,1 anti-fungus
Objective Achromatic 40
x / 0,65 spring, anti-
fungus

Pictograms

STANDARD

