

KERN OBE 124

KERN

Elegant, dynamic and impressive - the all-round compound microscope for schools, training and laboratories



Category

Brand	Optics
Product category	Microscope
Product group	Compound microscope
Product family	OBE-12

Construction

Dimension (W×D×H)	360×150×320 mm
Optical system	Finite
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Tube type	Butterfly
Light distribution	20:80

Contrasting methods	Bright field Darkfield (optional) Polarisation (optional)
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Standard objectives	4× 10× 40×
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Lens quality	achromatic
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Nosepiece screw-in locations	4
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Eyepieces fixed	✓
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Interpupillary distance [Min]	50 mm
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Interpupillary distance [Max]	75 mm
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Diopter adjustment	one-sided
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Diopter adjustment [Min]	-5
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Diopter adjustment [Max]	5
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Colour temperature	6000 K
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Ocular

Ocular type	Eyepiece HWF 10 x / Ø 18mm with anti-fungus, high eye point
Ocular field width	HWF
Eye point	High Eye Point
Ocular magnifications	10 x
Ocular visual field	18 mm
Ocular diameter	23,2 mm

Objective

Objectives - Details	Objective Achromatic 10 x / 0,25 anti-fungus Objective Achromatic 4 x / 0,1 anti-fungus Objective Achromatic 40 x / 0,65 spring, anti-fungus
Objectives magnifications	4 x / 10 x / 40 x

Illumination

Illuminance	Transmitted light
Illumination type incident light	none
Illumination type transmitted light	LED
Illumination intensity transmitted light	3 W
Illumination dimmable	Transmitted light
Filter possible	✓
Aperture diaphragm	✓

Focussing

Field of view [Min]	0,18 mm
Field of view [Max]	4,5 mm
Torque regulation	✓
Fine drive minimum	0,002 mm
Focusing mechanism	coaxial coarse and fine drive

Power Supply

Supplied power supply	Power supply unit
Plug-in power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO
	AUS
Plug-in power supply / adapter for countries - optional	UK
	US
	CH

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Input voltage power supply / power [Max]	100 V - 240 V AC 50/60 Hz 0,3 A
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Input voltage device / power [Max]	5 V, 1 A
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Environmental conditions

Storage temperature [Min]	-5 °C
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Storage temperature [Max]	40 °C
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Approval

CE mark	✓
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Packing & Shipping

Delivery time	1 d
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Dimensions packaging (W×D×H)	425×340×245 mm
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Net weight	4,488 kg
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Shipping method	Parcel service
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Net weight approx.	4,6 kg
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Gross weight approx.	6 kg
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Shipping weight	7,1 kg
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Pictograms

STANDARD



OPTION

