KERN **OBE 124**

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



Date of creation: 03.10.2026

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

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

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

Illumination	
Illuminance	Transmitted light
Illumination type transmitted light	LED
Illumination intensity transmitted light	3 W
Illumination dimmable	Transmitted light
Filter possible	✓
Aperture diaphragm	✓

80000 | Mikroskoptisch	
Bauweise	mechanical
Weg	50 mm; 70 mm
Durchlicht möglich	✓
ATTR_microscopeTableSpecimentHolders	1
ATTR_microscopeTableUser	Right-handed

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

Condensor	
Condensor type	Abbe

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Condenser - Mounting	fixed
Condenser - Aperture	1,25
Aperture diaphragm	✓

Power Supply

Supplied power supply	Power supply unit
Power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	AUS UK US CH
Input voltage power supply / power [Max]	100 V - 240 V AC 50/60 Hz 0,3 A
Power supply cable removable	removable
Input voltage device / power [Max]	5 V, 1 A

Environmental conditions

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

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	440×380×280 mm
Shipping method	Parcel service
Net weight approx.	4,6 kg
Gross weight approx.	6 kg
Shipping weight	9,4 kg
Shipping volume weight	9,4 kg

Product information

GTIN/EAN number	4045761235984
Trade number	90118000
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

