KERN **OBE 121**

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	Monocular
Tube angle of inclination	30°
Contrasting methods	Bright field Darkfield (optional)
Standard objectives	4× 10× 40×
Lens quality	achromatic
Nosepiece screw-in locations	4
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
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
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

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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)	425×340×245 mm
Shipping method	Parcel service
Net weight approx.	4,6 kg
Gross weight approx.	6 kg
Shipping weight	7,1 kg
Shipping volume weight	7,1 kg

Product information

GTIN/EAN number	4045761235960
Trade number	90118000
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

