KERN **OBT 105**

The modern compound microscope for teaching in your class room



Date of creation: 24.10.2026

Category	
Brand	Optics
Product category	Microscope
Product group	Compound microscope
Product family	OBT-1

Construction	
Dimension (W×D×H)	195×147×325 mm
Optical system	Finite
Tube type	Monocular
Tube angle of inclination	45°
Tube 360° rotation	✓
Contrasting methods	Bright field
Standard objectives	4× 10× 40× 100×
Lens quality	achromatic
Nosepiece screw-in locations	4
Eyepieces fixed	✓

Ocular	
Ocular type	Eyepiece WF 10x / Ø 18mm
Ocular field width	WF
Eye point	Standard
Ocular magnifications	10x
Ocular visual field	18 mm
Ocular diameter	23,2 mm

Objective	
Objectives - Details	Objective Achromatic 10x / 0,25 Objective Achromatic 100x / 1,25 oil, spring Objective Achromatic 4x / 0,1 Objective Achromatic 40x / 0,65 spring
Objectives magnifications	4x / 10x / 40x / 100x

Illumination	
Illuminance	Transmitted light
Illumination type transmitted light	LED
Illumination intensity transmitted light	1 W
Illumination dimmable	Transmitted light
Filter possible	✓
Aperture diaphragm	✓

80000 | Mikroskoptisch	
Bauweise	mechanical
Größe	115×82×15 mm
Weg	52 mm; 20 mm
Durchlicht möglich	✓
ATTR_microscopeTableSpecimentHolders	2
ATTR_microscopeTableUser	Right-handed

Focussing	
Field of view [Min]	0,45 mm
Field of view [Max]	4,5 mm
Fine drive minimum	0,0025 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 & battery function (battery not included)
Power supply type	Power adapter

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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 - 240 V
Power supply cable removable	removable
Input voltage device / power [Max]	5 V 1000 mA
Battery connection	Pad + Spring

Environmental conditions

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

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	400×280×195 mm
Shipping method	Parcel service
Net weight approx.	2,8 kg
Gross weight approx.	3,4 kg
Shipping weight	4,4 kg
Shipping volume weight	4,4 kg

Product information

GTIN/EAN number	4045761235069
Trade number	90118000
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

