

KERN OBT 106

The modern compound microscope for teaching in your class room

KERN



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	Binocular
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	✓
Interpupillary distance [Min]	48 mm
Interpupillary distance [Max]	75 mm
Diopter adjustment	one-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5

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	✓

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

Power Supply	
Supplied power supply	Power supply & battery function (battery not included)
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 - 240 V
Power supply cable removable	removable
Input voltage device / power [Max]	5 V 1000 mA

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Power socket for mains adapter	Inside plus, outside minus
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Battery connection	Pad + Spring
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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)	400×280×195 mm
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Shipping method	Parcel service
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Net weight approx.	2,8 kg
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Gross weight approx.	3,4 kg
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Shipping weight	4,4 kg
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Product information

GTIN/EAN number	4045761235076
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REACH classification	no prohibited substances
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Pictograms

STANDARD



OPTION

