

KERN OBT 105

KERN

The modern compound microscope for teaching in your class room



Focussing

Fine drive minimum	0,0025 mm
Field of view [Min]	0,45 mm
Field of view [Max]	4,5 mm
Focusing mechanism	coaxial coarse and fine drive

Illumination

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

Power Supply

Input voltage power supply / power [Max]	100 - 240 V
Input voltage device / power [Max]	5 V 1000 mA
Plug-in power supply type	Power adapter
Supplied power supply	Power supply & battery function (battery not included)
Plug-in power supply / adapter for countries - included with the delivery	EURO
	AUS
Plug-in power supply / adapter for countries - optional	UK US CH
Battery connection	Pad + Spring

Environmental conditions

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

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	400×280×195 mm
Net weight	2,755 kg
Shipping method	Parcel service
Net weight approx.	2,8 kg
Gross weight approx.	3,4 kg
Shipping weight	4,4 kg

Category

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

Approval

CE mark	✓
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Construction

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

Ocular

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

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Objective

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

STANDARD



OPTION

