

KERN OBT 103

KERN

The modern compound microscope for teaching in your class room



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

Objective

Objectives - Details	Objective Achromatic 10 x / 0,25 Objective Achromatic 4 x / 0,1
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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×
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

Focussing

Fine drive minimum	0,0025 mm
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Objective Achromatic 40
x / 0,65 spring

Pictograms

STANDARD



OPTION

