

# KERN OBS 106

# KERN

The school microscope – for the first steps in microscopy and for use in biology lessons



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

Approval	
CE mark	✓

Construction	
Dimension (W×D×H)	130×300×310 mm
Optical system	Finite
Tube type	Siedentopf
Tube type	Binocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Lens quality	achromatic
	4×
Standard objectives	10×
	40×
Nosepiece screw-in locations	4
Eyepieces fixed	✓
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5
Contrasting methods	Bright field
Interpupillary distance [Max]	75 mm
Interpupillary distance [Min]	55 mm

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	0,00025 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	0,5 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]	6 V, 500 mA
Plug-in power supply type	Power adapter
Supplied power supply	Accu & Power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	EURO UK
Rechargeable battery charging time	10 h
Rechargeable battery operating time - backlight on	4 h
Battery	3×1.2V AA
Battery / accumulator type	NiMH
Battery connection	Plug-in terminals

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)	420×340×200 mm
Net weight	3,138 kg
Shipping method	Parcel service

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Net weight approx.	3,2 kg
Gross weight approx.	4,0 kg
Shipping weight	5,7 kg

## Objective

Objectives - Details	Objective Achromatic 10 x / 0,25 anti-fungus Objective Achromatic 4 x / 0,1 anti-fungus Objective Achromatic 40 x / 0,65 spring, anti-fungus
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## Pictograms

### STANDARD

