

KERN OBS 111



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

Construction	
Dimension (W×D×H)	130×300×310 mm
Optical system	Finite
Tube type	Monocular
Tube angle of inclination	45°
Tube 360° rotation	✓
Contrasting methods	Bright field
Standard objectives	4× 10× 40×
Lens quality	achromatic
Nosepiece screw-in locations	3
Eyepieces fixed	✓

Ocular	
Ocular type	Eyepiece WF 10x / Ø 18mm with anti-fungus
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 anti-fungus

	Objective Achromatic 4x / 0,1 anti-fungus
	Objective Achromatic 40x / 0,65 spring, anti-fungus
Objectives magnifications	4x / 10x / 40x

Illumination	
Illuminance	Transmitted light
Illumination type transmitted light	LED
Illumination intensity transmitted light	0,5 W
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	Simple condenser

Power Supply	
Supplied power supply	Power supply unit
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	EURO UK
Input voltage power supply / power [Max]	100 - 240 V
Power supply cable removable	removable
Input voltage device / power [Max]	3V, 500mA

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

Approval	
CE mark	✓

Packing & Shipping	
Delivery time	1 d
Dimensions packaging (W×D×H)	420×280×215 mm

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Shipping method	Parcel service
Net weight approx.	2,2 kg
Gross weight approx.	2,8 kg
Shipping weight	5,1 kg

Product information

GTIN/EAN number	4045761228399
REACH classification	no prohibited substances

Pictograms

STANDARD

