

KERN OBS 111



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



Date of creation: 10.07.2026

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
Condenser - Mounting	fixed
Condenser - Aperture	0,65
Aperture diaphragm	✓

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
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Storage temperature [Max] 40 °C

Approval

CE mark ✓

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	420×280×215 mm
Shipping method	Parcel service
Net weight approx.	2,2 kg
Gross weight approx.	2,8 kg
Shipping weight	5,1 kg
Shipping volume weight	5,1 kg

Product information

ATTR_warrantyTime	24 mon
Trade number	90118000
GTIN/EAN number	4045761228399

Pictograms

STANDARD

