

KERN OBS 102

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

Construction

Dimension (WxDxH)	130x300x310 mm
Optical system	Finite
Tube type	Monocular
Tube angle of inclination	45°
Tube 360° rotation	✓
Contrasting methods	Bright field
Standard objectives	4x 10x 40x
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
Illumination dimmable	Transmitted light
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	Accu & Power supply
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]	6 V, 500 mA
Battery / accumulator type	NiMH
Battery	3x1.2V AA
Battery connection	Plug-in terminals
Rechargeable battery operating time - backlight on	4 h
Rechargeable battery charging time	10 h
Battery/Accu connected	fixed electrical connection, not insulated

KERN OBS 102



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

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)	390×250×190 mm
Shipping method	Parcel service
Net weight approx.	2,2 kg
Gross weight approx.	3,0 kg
Shipping weight	3,7 kg

Product information

GTIN/EAN number	4045761228368
Trade number	90118000
REACH classification	no prohibited substances

Pictograms

STANDARD

