

KERN OBE 111

KERN

The fully equipped all-round compound microscope for school, training and laboratories



Category	
Brand	Optics
Product category	Microscope
Product group	Compound microscope
Product family	OBE-11

Construction	
Dimension (W×D×H)	320×180×365 mm
Optical system	Finite
Tube type	Monocular
Tube angle of inclination	30°
Contrasting methods	Bright field Darkfield (optional) Polarisation (optional)
Standard objectives	4× 10× 40× 100×
Lens quality	achromatic
Nosepiece screw-in locations	4
Eyepieces fixed	✓
Colour temperature	6000 K

Ocular	
Ocular type	Eyepiece HWF 10x / Ø 18mm with anti-fungus, high eye point
Ocular field width	HWF
Eye point	High Eye Point
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 100x / 1,25 oil, spring, anti-fungus Objective Achromatic 4x / 0,1 anti-fungus Objective Achromatic 40x / 0,65 spring, anti-fungus
Objectives magnifications	4x / 10x / 40x / 100x

Illumination	
Illuminance	Transmitted light
Illumination type transmitted light	LED
Illumination intensity transmitted light	3 W
Illumination dimmable	Transmitted light
Filter possible	✓
Aperture diaphragm	✓

Focussing	
Field of view [Min]	0,18 mm
Field of view [Max]	4,5 mm
Torque regulation	✓
Fine drive minimum	0,002 mm
Focusing mechanism	coaxial coarse and fine drive

Power Supply	
Supplied power supply	Power supply unit
Power supply type	Built-in power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	AUS UK US CH
Input voltage power supply / power [Max]	100 - 240 V
Power supply cable removable	removable
Input voltage device / power [Max]	100 - 240 V
Power socket for mains adapter	Power supply cable

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

KERN OBE 111



The fully equipped all-round compound microscope for school, training and laboratories

Approval

CE mark ✓

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	425×340×245 mm
Shipping method	Parcel service
Net weight approx.	4,6 kg
Gross weight approx.	6 kg
Shipping weight	7,1 kg

Product information

GTIN/EAN number	4045761160460
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

