

KERN OBE 101

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-10

Approval

CE mark	✓
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Construction

Dimension (W×D×H)	320×180×365 mm
Optical system	Finite
Tube type	Monocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Lens quality	achromatic
Standard objectives	4× 10× 40×
Nosepiece screw-in locations	4
Eyepieces fixed	✓
Contrasting methods	Bright field Darkfield (optional) Polarisation (optional)
Colour temperature	6000 K

Ocular

Ocular field width	HWF
Eye point	High Eye Point
Ocular magnifications	10 x
Ocular visual field	18 mm
Ocular diameter	23,2 mm

Focussing

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

Illumination

Illumination type incident light	none
Illumination intensity transmitted light	3 W
Illumination type transmitted light	LED
Illuminance	Transmitted light
Aperture diaphragm	✓
Filter possible	✓

Power Supply

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

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)	425×340×245 mm
Net weight	4,488 kg
Shipping method	Parcel service
Net weight approx.	4,6 kg
Gross weight approx.	6 kg
Shipping weight	7,1 kg

Objective

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

Pictograms

STANDARD



OPTION

