

KERN OBE 131

KERN

Elegant, dynamic and impressive - the all-round compound microscope for schools, training and laboratories



Category

Brand	Optics
Product category	Microscope
Product group	Compound microscope
Product family	OBE-13

Approval

CE mark	✓
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Construction

Dimension (W×D×H)	360×150×320 mm
Optical system	Finite
Tube type	Monocular
Tube angle of inclination	30°
Lens quality	achromatic

	4×
	10×
Standard objectives	40×
	100×

Nosepiece screw-in locations	4
	Bright field
Contrasting methods	Darkfield (optional)
	Polarisation (optional)

Colour temperature	6000 K
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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
Illumination dimmable	Transmitted light
Aperture diaphragm	✓
Filter possible	✓

Power Supply

Input voltage power supply / power [Max]	100 V - 240 V AC 50/60 Hz 0,3 A
Input voltage device / power [Max]	5 V, 1 A
Plug-in power supply type	Power adapter
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

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Objective

Objectives - Details

Objective Achromatic 10 x / 0,25 anti-fungus
Objective Achromatic 100 x / 1,25 oil, spring, anti-fungus
Objective Achromatic 4 x / 0,1 anti-fungus
Objective Achromatic 40 x / 0,65 spring, anti-fungus

Pictograms

STANDARD



OPTION

