

KERN OBE 124C825

KERN

Our all-round compound microscope as a comprehensive digital solution for schools, training and laboratories



Category

Brand	Optics
Product category	Microscope
Product group	Digital microscope set
Product family	OBE-S

Approval

CE mark	✓
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Construction

Dimension (W×D×H)	360×150×390 mm
Optical system	Finite
Tube type	Siedentopf
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Lens quality	achromatic
	4×
Standard objectives	10×
	40×
Nosepiece screw-in locations	4
Eyepieces fixed	✓
Diopter adjustment	one-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5
Contrasting methods	Bright field Darkfield (optional) Polarisation (optional)
Light distribution	20:80
Interpupillary distance [Max]	75 mm
Interpupillary distance [Min]	50 mm
Colour temperature	6000 K

Cameratype	USB2 Microscope camera - C-Mount
Camera - Sensor type	CMOS
Camera - Sensor size	1/2,5"
Camera - Resolution	5,1 MP
Camera - Colour depth	Colour
Camera - Framerate	6,8 - 55 fps
Camera- Mounting types	C-mount thread
Camera - Exposure method	Rolling Shutter

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
Filter possible	✓

Functions

Interfaces	USB 2.0
	Win XP
	Win Vista
Supported operating systems	Win 7
	Win 8
	Win 10
Camera - Applicable software	external (OXM 901, OXM 902)

Power Supply

Input voltage power supply / power [Max]	100 - 240 V
Input voltage device / power [Max]	5 V, 1 A

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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)	560×440×330 mm
Net weight	5,768 kg
Shipping method	Parcel service
Net weight approx.	6 kg
Gross weight approx.	8 kg
Shipping weight	16,3 kg

Pictograms

STANDARD



OPTION

