

KERN OBE 134T241

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

Display

Display resolution	2048×1536
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Construction

Dimension (W×D×H)	360×235×540 mm
Optical system	Finite
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Tube type	Butterfly
Light distribution	20:80

Contrasting methods	Bright field Darkfield (optional)
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Standard objectives	4× 10× 40× 100×
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Lens quality	achromatic
Nosepiece screw-in locations	4
Eyepieces fixed	✓
Interpupillary distance [Min]	50 mm
Interpupillary distance [Max]	75 mm
Dioptr adjustment	one-sided
Dioptr adjustment [Min]	-5
Dioptr adjustment [Max]	5
Colour temperature	6000 K

Functions

Camera - Applicable software	integrated camera software (HDMI)
Supported operating systems	Android
Memory - total size	128 GB

Interface

Interfaces	WiFi USB 2.0 HDMI MicroSD card slot
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Ocular

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

Illumination

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

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

Condensor

Condensor type	Abbe
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Camera

Cameratype	Tablet camera
Camera - Resolution	5 MP
Camera - Sensor type	Sony CMOS
Camera - Sensor size	1/2,8"
Camera - Colour depth	Colour
Camera - Framerate	30 fps
Camera- Mounting types	C-mount thread
Camera - Exposure method	Rolling Shutter

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Power Supply

Supplied power supply	Power supply unit
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Power supply type	Power adapter
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Plug-in power supply / adapter for countries - included with the delivery	EURO
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Plug-in power supply / adapter for countries - optional	AUS UK US CH
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Input voltage power supply / power [Max]	100 - 240 V
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Power supply cable removable	removable
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Input voltage device / power [Max]	5 V, 1 A
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Environmental conditions

Storage temperature [Min]	-5 °C
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Storage temperature [Max]	40 °C
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Approval

CE mark	✓
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Packing & Shipping

Delivery time	1 d
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Dimensions packaging (W×D×H)	560×440×330 mm
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Shipping method	Parcel service
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Net weight approx.	6 kg
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Gross weight approx.	8 kg
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Shipping weight	16,3 kg
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Product information

GTIN/EAN number	4045761356818
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Trade number	90118000
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REACH classification	no prohibited substances
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Pictograms

STANDARD



OPTION

