

KERN OBL 137C832



The digital laboratory assistant with infinity optical unit and fixed, pre-centred Koehler illumination



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

Construction	
Dimension (W×D×H)	394×185×450 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Tube type	Siedentopf
Light distribution	20:80

Contrasting methods	Bright field
	Darkfield (optional)
	Polarisation (optional)
	Fluorescent (optional)
	Phase contrast (optional)

Standard objectives	4×
	10×
	40×
	100×

Lens quality	Infinity E-Plan
Nosepiece screw-in locations	4
Interpupillary distance [Min]	50 mm
Interpupillary distance [Max]	75 mm
Diopter adjustment	one-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5

Functions	
Camera - Applicable software	Microscope VIS 2.0 Pro (OXM 902)

Supported operating systems	Win XP
	Win Vista
	Win 7
	Win 8
	Win 10

Interface	
Interfaces	USB 3.0

Ocular	
Ocular field width	HWF
Eye point	High Eye Point
Ocular magnifications	10x
Ocular visual field	20 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
Koehler illumination	✓
Filter possible	✓
Field diaphragm	✓

Focussing	
Field of view [Min]	0,2 mm
Field of view [Max]	5 mm
Torque regulation	✓
Fine drive minimum	0,002 mm
Focusing mechanism	coaxial coarse and fine drive

Condensor	
Condensor type	Abbe

Camera	
Cameratype	USB3 Microscope camera - C-Mount
Camera - Resolution	5,1 MP
Camera - Sensor type	CMOS
Camera - Sensor size	1/2,5"
Camera - Colour depth	Colour

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Camera - Framerate	14,2 - 101,2 fps
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Camera- Mounting types	C-mount thread
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Camera - Exposure method	Rolling Shutter
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Power Supply

Supplied power supply	Power supply unit
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Plug-in power supply type	Built-in power supply
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Plug-in power supply / adapter for countries - included with the delivery	EURO
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Input voltage power supply / power [Max]	100 - 240 V
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Input voltage device / power [Max]	100 - 240 V
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Power socket for mains adapter	Power supply cable
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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)	590×440×390 mm
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Shipping method	Parcel service
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Net weight approx.	8 kg
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Gross weight approx.	9 kg
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Shipping weight	20,2 kg
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Product information

GTIN/EAN number	4045761228818
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REACH classification	no prohibited substances
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Pictograms