

# KERN OKO 178C832

Digital set with metallurgical microscope, camera and C-mount adapter



## Category

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

## Construction

Dimension (W×D×H)	390×235×620 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Tube type	Siedentopf
Light distribution	0:100 80:20

Contrasting methods	Bright field Polarisation
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Standard objectives	5× 10× 20× 50×
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Lens quality	Infinity Plan
Nosepiece screw-in locations	5
Interpupillary distance [Min]	50 mm
Interpupillary distance [Max]	75 mm
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5
Colour temperature	6000 K

## Functions

Camera - Applicable software	Microscope VIS 2.0 Lite (OXM 903)
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Camera - Software functions	Image capturing Video capturing Measurements
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Supported operating systems	Win 7 Win 8 Win 10 Win 11
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## Interface

Interfaces	USB 3.0
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## Ocular

Ocular field width	HWF
Ocular magnifications	10x
Ocular visual field	22 mm
Ocular diameter	30 mm

## Illumination

Illuminance	Reflected light Transmitted light
Illumination type incident light	LED
Illumination type transmitted light	LED
Illumination intensity incident light	5 W
Illumination intensity transmitted light	5 W

Illumination dimmable	Incident light + Transmitted light, separate
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Koehler illumination	✓
Filter possible	✓
Field diaphragm	✓

## Focussing

Field of view [Min]	0,18 mm
Field of view [Max]	3,6 mm
Torque regulation	✓
Fine drive minimum	0,002 mm
Focusing mechanism	coaxial coarse and fine drive

## Condensor

Condensor type	Standard
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## Camera

Camera type	USB3 Microscope camera - C-Mount
Camera - Resolution	5,1 MP
Camera - Sensor type	Aptina CMOS

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Camera - Sensor size	1/2,5"
Camera - Colour depth	Colour
Camera - Framerate	14,2 - 101,2 fps
Camera- Mounting types	C-mount
Camera - Exposure method	Rolling Shutter
Camera - Sensor dimensions	5,7×4,28 mm
Camera - Sensor Diagonal	7,13 mm
Camera - Pixel size	2,2×2,2 µm
Camera - Exposure time [Min]	0,1 ms
Camera - Exposure time [Max]	2000 ms

## Power Supply

Supplied power supply	Power supply unit
Power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO
	AUS
Plug-in power supply / adapter for countries - optional	UK
	US
	CH
Input voltage power supply / power [Max]	100 - 240 V
Power supply cable removable	removable
Input voltage device / power [Max]	5 V 1000 mA
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,5 mm, long 10 mm

## Environmental conditions

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

## Approval

CE mark	✓
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## Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	590×440×390 mm
Shipping method	Parcel service
Net weight approx.	11 kg
Gross weight approx.	14 kg
Shipping weight	20,2 kg

## Product information

GTIN/EAN number	4045761490956
Trade number	90118000

REACH classification no prohibited substances

## Pictograms

### STANDARD

