

# KERN OKM 173

# KERN

The metallurgical reflected light microscope for material testing and surface testing, as well as quality assurance in industry



## Category

Brand	Optics
Product category	Microscope
Product group	Metallurgical microscope
Product family	OKM-1

## Approval

CE mark	✓
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## Construction

Dimension (W×D×H)	440×200×460 mm
Optical system	Infinity
Tube type	Siedentopf
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Nosepiece screw-in locations	4
Dioptr adjustment	one-sided
Dioptr adjustment [Min]	-5
Dioptr adjustment [Max]	5
Contrasting methods	Bright field Polarisation (optional)
Light distribution	20:80
Interpupillary distance [Max]	75 mm
Interpupillary distance [Min]	50 mm
Camera adapter type	C-Mount
Supported camera types	Microscope Camera

## Ocular

Ocular field width	HWF
Eye point	High Eye Point
Ocular magnifications	10 x

Ocular visual field	20 mm
Ocular diameter	23,2 mm

## Focussing

Fine drive minimum	0,002 mm
Torque regulation	✓
Field of view [Min]	0,45 mm
Field of view [Max]	3,6 mm
Focusing mechanism	coaxial coarse and fine drive

## Illumination

Illumination type incident light	LED
Illumination intensity incident light	5 W
Illumination type transmitted light	None
Illuminance	Reflected 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
Plug-in power supply / adapter for countries - optional	EURO UK

## 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)	550×375×285 mm
Net weight	7,66 kg
Shipping method	Parcel service
Net weight approx.	8 kg
Gross weight approx.	10 kg
Shipping weight	14 kg

## Objective

Objectives - Details	Objective Infinity Plan 10 x / 0,25 LWD, anti-fungus
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Objective Infinity Plan 20  
x / 0,4 LWD, anti-fungus  
Objective Infinity Plan 5  
x / 0,13 LWD, anti-  
fungus  
Objective Infinity Plan 50  
x / 0,7 spring, LWD, anti-  
fungus

## Pictograms

### STANDARD

