

# KERN OKM 173

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



Ocular diameter 23,2 mm

## Objective

Objectives - Details	Objective Infinity Plan 10x / 0,25 LWD, anti-fungus
	Objective Infinity Plan 20x / 0,4 LWD, anti-fungus
	Objective Infinity Plan 5x / 0,15 LWD, anti-fungus
	Objective Infinity Plan 50x / 0,75 spring, LWD, anti-fungus
Objectives magnifications	5 x / 10 x / 20 x / 50 x

## Illumination

Illuminance	Reflected light
Illumination type incident light	LED
Illumination type transmitted light	None
Illumination intensity incident light	5 W
Filter possible	✓

## Focussing

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

## Camera

Camera - Adapter type	C-Mount
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## 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
Plug-in power supply / adapter for countries - optional	EURO UK
Input voltage power supply / power [Max]	100 V - 240 V AC 50/60 Hz 0,3 A
Power supply cable removable	removable
Input voltage device / power [Max]	5 V, 1 A

## Category

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

## Construction

Dimension (WxDxH)	440x200x400 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Tube type	Butterfly
Light distribution	20:80
Contrasting methods	Bright field Polarisation (optional)
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
Supported camera types	Microscope Camera

## Ocular

Ocular type	Eyepiece HWF 10x / Ø 20mm with anti-fungus, high eye point
Ocular field width	HWF
Eye point	High Eye Point
Ocular magnifications	10x
Ocular visual field	20 mm

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## 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)	640×380×280 mm
Shipping method	Parcel service
Net weight approx.	8 kg
Gross weight approx.	10 kg
Shipping weight	13,6 kg

## Product information

GTIN/EAN number	4045761490024
Trade number	90118000
REACH classification	no prohibited substances

## Pictograms

### STANDARD

