

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

Zulassung	
CE mark	✓

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
Diopter adjustment	one-sided
Diopter adjustment [Min]	-5
Diopter 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	11,8 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 / 0,75 spring, LWD,
anti-fungus

Pictograms

STANDARD

