

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 10 x / 0,25 LWD, anti-fungus
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

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 ✓

Aperture diaphragm ✓

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

Power Supply

Supplied power supply Power supply unit

Plug-in 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

Input voltage device / power [Max] 5 V, 1 A

Environmental conditions

Storage temperature [Min] -5 °C

Category

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

Construction

Dimension (W×D×H)	440×200×460 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 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 10 x / Ø 20mm with anti-fungus, high eye point
Ocular field width	HWF
Eye point	High Eye Point
Ocular magnifications	10 x
Ocular visual field	20 mm

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Storage temperature [Max] 40 °C

Approval

CE mark ✓

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	550×375×285 mm
Shipping method	Parcel service
Net weight approx.	8 kg
Gross weight approx.	10 kg
Shipping weight	11,8 kg

Pictograms

STANDARD

