

KERN OKO 178



The fully-equipped reflected and transmitted light microscope for numerous applications in metallurgy



Category

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

Construction

Dimension (W×D×H)	550×200×460 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Tube type	Siedentopf
Light distribution	100:0
Contrasting methods	Bright field Polarisation
Standard objectives	5× 10× 20× 50×
Lens quality	Infinity semi apochromatic
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

Ocular

Ocular type	Eyepiece HWF 10 x / Ø 22mm with anti-fungus, high eye point
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Ocular field width	WF
Eye point	High Eye Point
Ocular magnifications	10 x
Ocular visual field	22 mm
Ocular diameter	30 mm

Objective

Objectives - Details	Objective Infinity Plan Semi Apochromatic 10 x ... LWD Objective Infinity Plan Semi Apochromatic 20 x ... LWD Objective Infinity Plan Semi Apochromatic 5 x / ... LWD Objective Infinity Plan Semi Apochromatic 50 x ... LWD
Objectives magnifications	5 x / 10 x / 20 x / 50 x

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
Koehler illumination	✓
Filter possible	✓
Aperture diaphragm	✓
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

Power Supply

Supplied power supply	Power supply unit
Plug-in power supply type	Power adapter

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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 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

Storage temperature [Max]

40 °C

Approval

CE mark



Packing & Shipping

Delivery time

1 d

Dimensions packaging (W×D×H)

520×470×430 mm

Shipping method

Parcel service

Net weight approx.

12 kg

Gross weight approx.

16 kg

Shipping weight

21 kg

Pictograms

STANDARD

