

KERN OKO 178

KERN

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

Approval

CE mark	✓
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Construction

Dimension (W×D×H)	550×200×460 mm
Optical system	Infinity
Tube type	Siedentopf
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Lens quality	Infinity semi apochromatic
Standard objectives	5×
	10×
	20×
	50×
Nosepiece screw-in locations	5
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5
Contrasting methods	Bright field Polarisation
Light distribution	100:0
Interpupillary distance [Max]	75 mm
Interpupillary distance [Min]	50 mm

Ocular

Ocular field width	WF
Eye point	High Eye Point
Ocular magnifications	10 x
Ocular visual field	22 mm
Ocular diameter	30 mm

Focussing

Fine drive minimum	0,002 mm
Torque regulation	✓
Field of view [Min]	0,18 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 intensity transmitted light	5 W
Illumination type transmitted light	LED
Illuminance	Reflected light Transmitted light Incident light + Transmitted light, separate
Illumination dimmable	✓
Field diaphragm	✓
Aperture diaphragm	✓
Koehler illumination	✓
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
	AUS
Plug-in power supply / adapter for countries - optional	UK US CH

Environmental conditions

Storage temperature [Min]	-5 °C
Storage temperature [Max]	40 °C

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Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	520×470×430 mm
Net weight	12 kg
Shipping method	Parcel service
Net weight approx.	12 kg
Gross weight approx.	16 kg
Shipping weight	21 kg

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

Pictograms

STANDARD

