

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 (WxDxH)	472x211x440 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Tube type	Siedentopf
Light distribution	20:80 100:0
Contrasting methods	Bright field Polarisation
Standard objectives	5x 10x 20x 50x
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
Supported camera types	Microscope Camera

Ocular

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

Objective

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

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	✓
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

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Condensor

Condensor type Abbe

Camera

Camera - Adapter type C-Mount

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

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

Power supply cable removable removable

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) 520×470×450 mm

Shipping method Parcel service

Net weight approx. 11 kg

Gross weight approx. 13 kg

Shipping weight 22 kg

Product information

GTIN/EAN number 4045761490031

Trade number 90118000

REACH classification no prohibited substances

Pictograms

STANDARD

