KERN **OLM 170**

The inverted metallurgical microscope for professional applications



Category

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

Construction

Dimension (W×D×H)	470×240×330 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	45°
Tube 360° rotation	✓
Tube type	Butterfly
Light distribution	20:80
Contrasting methods	Bright field Polarisation
Standard objectives	5× 10× 20× 50×
Lens quality	Infinity Plan
Nosepiece screw-in locations	4
Interpupillary distance [Min]	48 mm
Interpupillary distance [Max]	75 mm
Diopter adjustment	one-sided
Diopter adjustment [Min]	-6
Diopter adjustment [Max]	6

Ocular

Ocular type	Eyepiece HWF 10x / Ø 20mm with anti-fungus, high eye point
Ocular field width	HWF
Eye point	High Eye Point
Ocular magnifications	10x
Ocular visual field	20 mm
Ocular diameter	23,2 mm

Objective

Objectives - Details	Objective Infinity Plan 10x / 0,25 LWD, anti-fungus Objective Infinity Plan 20x / 0,4 LWD, anti-fungus Objective Infinity Plan 5x / 0,15 LWD, anti-fungus Objective Infinity Plan 50x / 0,75 spring, LWD, anti-fungus
Objectives magnifications	5x / 10x / 20x / 50x

Illumination

Illuminance	Reflected light
Illumination type incident light	LED
Illumination intensity incident light	5 W
Illumination dimmable	Incident light
Filter possible	✓

Focussing

Field of view [Min]	0,4 mm
Field of view [Max]	4 mm
Torque regulation	✓
Fine drive minimum	0,002 mm
Focusing mechanism	coaxial coarse and fine drive

Condensor

Condensor type	Standard
Condenser - Mounting	fixed
Aperture diaphragm	✓

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
Plug-in power supply / adapter for countries - optional	EURO UK
Power supply – Cable length	150 cm

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Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Power supply cable removable	removable
Input voltage device / power [Max]	5 V, 1 A
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,5 mm, long 10 mm

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)	500×420×300 mm
Shipping method	Parcel service
Net weight approx.	7 kg
Gross weight approx.	9 kg
Shipping weight	12,6 kg
Shipping volume weight	12,6 kg

Product information

GTIN/EAN number	4045761356665
Trade number	90118000
REACH classification	no prohibited substances

Pictograms

STANDARD

