KERN **OLM 171**

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)	747×271×379 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	45°
Tube type	Siedentopf
Light distribution	0:100
Contrasting methods	Bright field Polarisation
Lens quality	Infinity plan semi apochromatic
Nosepiece screw-in locations	5
Interpupillary distance [Min]	48 mm
Interpupillary distance [Max]	76 mm
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5

Ocular

Ocular type	Eyepiece HWF 10x / Ø 22mm with anti-fungus, high eye point
Ocular field width	HWF
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
Illumination type incident light	Halogen
Illumination intensity incident light	50 W
Illumination dimmable	Incident light
Filter possible	✓
Aperture diaphragm	✓
Field diaphragm	✓
Brand of light bulb	Philips

Focussing

Field of view [Min]	0,44 mm
Field of view [Max]	4,4 mm
Torque regulation	✓
Fine drive minimum	0,002 mm
Focusing mechanism	coaxial coarse and fine drive

Condensor

Condensor type	Standard
Condenser - Mounting	fixed

Power Supply

Supplied power supply	Power supply unit
Power supply type	Built-in power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	AUS UK US CH
Input voltage power supply / power [Max]	100 - 240 V

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Power supply cable removable	removable
Input voltage device / power [Max]	100 - 240 V
Power socket for mains adapter	Power supply cable

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)	660×610×350 mm
Shipping method	Parcel service
Net weight approx.	13 kg
Gross weight approx.	17 kg
Shipping weight	28,2 kg
Shipping volume weight	28,2 kg

Product information

GTIN/EAN number	4045761267602
Trade number	90118000
REACH classification	no prohibited substances

Pictograms

STANDARD

