

KERN OLM 171

KERN

The inverted metallurgical microscope for professional applications



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

Approval	
CE mark	✓

Construction	
Dimension (W×D×H)	747×271×379 mm
Optical system	Infinity
Tube type	Siedentopf
Tube type	Trinocular
Tube angle of inclination	30°
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]	76 mm
Interpupillary distance [Min]	48 mm

Ocular	
Ocular field width	HWF
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]	0,44 mm
Field of view [Max]	4,4 mm
Focusing mechanism	coaxial coarse and fine drive

Illumination	
Illumination type incident light	Halogen
Illumination intensity incident light	50 W
Illuminance	Reflected light
Illumination dimmable	Incident light
Field diaphragm	✓
Aperture diaphragm	✓
Filter possible	✓
Brand of light bulb	Philips

Power Supply	
Input voltage power supply / power [Max]	100 - 240 V
Input voltage device / power [Max]	100 - 240 V
Plug-in power supply type	Built-in power supply
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

Packing & Shipping	
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	660×590×325 mm
Net weight	12,968 kg
Shipping method	Parcel service
Net weight approx.	13 kg
Gross weight approx.	17 kg
Shipping weight	25,3 kg

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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

