

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

Construction

Dimension (W×D×H)	747×271×379 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	30°
Tube type	Siedentopf
Light distribution	100:0
Contrasting methods	Bright field Polarisation
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 10 x / Ø 22mm with anti-fungus, high eye point
Ocular field width	HWF
Eye point	High Eye Point
Ocular magnifications	10 x
Ocular visual field	22 mm
Ocular diameter	30 mm

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
Objectives magnifications	5 x / 10 x / 20 x / 50 x

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

Power Supply

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

Environmental conditions

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

Approval

CE mark ✓

Packing & Shipping

Delivery time	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

Pictograms

STANDARD

