

# KERN OLM 170

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

Ocular	
Ocular field width	HWF
Eye point	High Eye Point

Ocular magnifications	10 x
Ocular visual field	20 mm
Ocular diameter	23,2 mm

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

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

Power Supply	
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Input voltage device / power [Max]	5 V, 1 A
Plug-in power supply type	Power adapter
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	EURO UK

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)	500×420×300 mm
Net weight	6,506 kg
Shipping method	Parcel service
Net weight approx.	7 kg
Gross weight approx.	9 kg
Shipping weight	12,6 kg

Objective	
Objectives - Details	Objective Infinity Plan 10 x / 0,25 LWD, anti-fungus

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Objective Infinity Plan 20  
x / 0,4 LWD, anti-fungus  
Objective Infinity Plan 5  
x / 0,13 LWD, anti-  
fungus  
Objective Infinity Plan 50  
x / 0,7 spring, LWD, anti-  
fungus

## Pictograms

### STANDARD

