

KERN OLM 170

KERN

The inverted metallurgical microscope for professional applications



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

Objective

Objectives - Details	Objective Infinity Plan 10 x / 0,25 LWD, anti-fungus
	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 / 0,75 spring, LWD, anti-fungus

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

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

Power Supply

Supplied power supply	Power supply unit
Plug-in 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
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Input voltage device / power [Max]	5 V, 1 A

Environmental conditions

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

Category

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

Construction

Dimension (WxDxH)	470x240x330 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	45°
Tube type	Butterfly
Light distribution	20:80
Contrasting methods	Bright field Polarisation

Standard objectives	5x
	10x
	20x
	50x

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 10 x / Ø 20mm with anti-fungus, high eye point
Ocular field width	HWF
Eye point	High Eye Point

KERN OLM 170



The inverted metallurgical microscope for professional applications

Approval

CE mark ✓

Packing & Shipping

Delivery time	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

Pictograms

STANDARD

