

KERN OPO 185

KERN

The flexible and powerful polarising microscope for all professional applications with reflected and transmitted light



Eye point	High Eye Point
Ocular magnifications	10x
Ocular visual field	20 mm
Ocular diameter	30 mm

Objective	
Objectives - Details	Objective Infinity Plan 10x / 0,25 non-stress, anti-fungus
	Objective Infinity Plan 20x / 0,45 spring, non- stress, anti-fungus
	Objective Infinity Plan 4x / 0,11 non-stress, anti-fungus
	Objective Infinity Plan 40x / 0,66 spring, non- stress, anti-fungus
	Objective Infinity Plan Semi Apochromatic 50x / ... non-stress, LWD
Objectives magnifications	4x / 10x / 20x / 40x / 50x

Illumination	
Illuminance	Reflected light Transmitted light
Illumination type incident light	LED
Illumination type transmitted light	LED
Illumination intensity incident light	5 W
Illumination intensity transmitted light	5 W
Illumination dimmable	Incident light + Transmitted light, separate
Koehler illumination	✓
Filter possible	✓
Aperture diaphragm	✓
Field diaphragm	✓

Microscope table	
Pitch Rotary axis	1°; 6'

Focussing	
Field of view [Min]	0,4 mm
Field of view [Max]	5 mm
Torque regulation	✓
Fine drive minimum	0,002 mm
Focussing mechanism	coaxial coarse and fine drive

Category	
Brand	Optics
Product category	Microscope
Product group	Polarising microscope
Product family	OPO-1

Construction	
Dimension (WxDxH)	500x200x500 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	30°
Tube type	Siedentopf
Light distribution	0:100 80:20
Contrasting methods	Bright field Polarisation
Standard objectives	4x
	10x
	20x
	40x
	50x
Nosepiece screw-in locations	5
Interpupillary distance [Min]	50 mm
Interpupillary distance [Max]	75 mm
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5

Ocular	
Ocular type	Eyepiece HWF 10x / Ø 20mm with anti-fungus, high eye point
Ocular field width	HWF

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Polarisation

Lambda slip slot ✓

Condensor

Condensor type Abbe

Power Supply

Supplied power supply Power supply unit

Power supply type Power adapter

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 V - 240 V AC 50/60 Hz 0,3 A

Power supply cable removable removable

Input voltage device / power [Max] 5 V, 1 A

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) 520×470×430 mm

Shipping method Parcel service

Net weight approx. 13 kg

Gross weight approx. 16 kg

Shipping weight 21 kg

Product information

GTIN/EAN number 4045761490048

REACH classification no prohibited substances

Pictograms

STANDARD

