

# KERN OBN 158

Professionalism and versatility united in one microscope – with Koehler illumination for demanding applications



Interpupillary distance [Min] 50 mm

Ocular	
Ocular field width	HWF
Eye point	Standard
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]	0,2 mm
Field of view [Max]	5 mm
Focusing mechanism	coaxial coarse and fine drive

Illumination	
Illumination type incident light	none
Illumination intensity transmitted light	20 W
Illumination type transmitted light	Halogen
Illuminance	Transmitted light
Field diaphragm	✓
Aperture diaphragm	✓
Koehler illumination	✓
Phase-contrast unit	Quintuple condenser wheel
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

## Category

Brand	Optics
Product category	Microscope
Product group	Compound microscope
Product family	OBN-15

## Approval

CE mark	✓
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## Construction

Dimension (W×D×H)	390×200×400 mm
Optical system	Infinity
Tube type	Siedentopf
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Lens quality	Infinity Plan
	4×
	PH 10×
Standard objectives	PH 20×
	PH 40×
	PH 100×
Nosepiece screw-in locations	5
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5
Contrasting methods	Bright field
	Darkfield (optional)
	Phase contrast
	Polarisation (optional)
	Fluorescent (optional)
Light distribution	100:0
Interpupillary distance [Max]	75 mm

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## Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	535×370×270 mm
Net weight	9,983 kg
Shipping method	Parcel service
Net weight approx.	10 kg
Gross weight approx.	11 kg
Shipping weight	11 kg

## Objective

Objectives - Details	PH-Objective Infinity Plan 10 x / 0,25 anti-fungus PH-Objective Infinity Plan 100 x / 1,25 oil, anti- fungus PH-Objective Infinity Plan 20 x / 0,4 spring, anti- fungus Objective Infinity Plan 4 x / 0,11 anti-fungus PH-Objective Infinity Plan 40 x / 0,66 spring, anti- fungus
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## Pictograms

### STANDARD



### OPTION

