

KERN OBN 158

KERN

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



Category

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

Construction

Dimension (W×D×H)	390×200×400 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Tube type	Siedentopf
Light distribution	0:100 80:20

Contrasting methods

Bright field
Darkfield (optional)
Phase contrast
Polarisation (optional)
Fluorescent (optional)

Standard objectives

4×
PH 10×
PH 20×
PH 40×
PH 100×

Lens quality	Infinity Plan
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	Eyeiece HWF 10x / Ø 20mm with anti-fungus, high eye point
Ocular field width	HWF
Eye point	Standard
Ocular magnifications	10x
Ocular visual field	20 mm
Ocular diameter	23,2 mm

Objective

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

Illumination

Illuminance	Transmitted light
Illumination type transmitted light	Halogen
Illumination intensity transmitted light	20 W
Koehler illumination	✓
Filter possible	✓
Phase-contrast unit	Quintuple condenser wheel
Aperture diaphragm	✓
Field diaphragm	✓
Brand of light bulb	Philips

Focussing

Field of view [Min]	0,2 mm
Field of view [Max]	5 mm
Torque regulation	✓
Fine drive minimum	0,002 mm
Focusing mechanism	coaxial coarse and fine drive

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Condensor

Condensor type	PH universal rotary condenser
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Power Supply

Supplied power supply	Power supply unit
Power supply type	Built-in power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	AUS UK US CH
Input voltage power supply / power [Max]	100 - 240 V
Power supply cable removable	removable
Input voltage device / power [Max]	100 - 240 V
Power socket for mains adapter	Power supply cable

Environmental conditions

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

Approval

CE mark	✓
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Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	535×370×270 mm
Shipping method	Parcel service
Net weight approx.	10 kg
Gross weight approx.	11 kg
Shipping weight	11 kg

Product information

GTIN/EAN number	4045761187641
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION





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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.