

KERN OBN 135

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-13

Construction

Dimension (W×D×H)	390×200×395 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Tube type	Siedentopf
Light distribution	100:0

Contrasting methods

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

Standard objectives

4×
10×
20×
40×
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
Colour temperature	6000 K

Ocular

Ocular type	Eyeiece HWF 10 x / Ø 20mm with anti-fungus, high eye point
Ocular field width	HWF
Eye point	High Eye Point
Ocular magnifications	10 x
Ocular visual field	20 mm
Ocular diameter	23,2 mm

Objective

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

Illumination

Illuminance	Transmitted light
Illumination type incident light	none
Illumination type transmitted light	LED
Illumination intensity transmitted light	3 W
Koehler illumination	✓
Filter possible	✓
Aperture diaphragm	✓
Field diaphragm	✓

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

Power Supply

Supplied power supply	Power supply unit
Plug-in power supply type	Power adapter

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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

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)

530×370×275 mm

Shipping method

Parcel service

Net weight approx.

10 kg

Gross weight approx.

12 kg

Shipping weight

12 kg

Pictograms

STANDARD



OPTION

