

KERN OBN 159

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 | 100:0 |

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 | Eyepiece 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 | 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 |
| 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 |
| Illumination dimmable | Transmitted light |
| Koehler illumination | ✓ |
| Filter possible | ✓ |
| Phase-contrast unit | Quintuple condenser wheel |
| 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 |

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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 |
| | 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) | 535×370×270 mm |
| Shipping method | Parcel service |
| Net weight approx. | 10 kg |
| Gross weight approx. | 11 kg |
| Shipping weight | 11 kg |

Pictograms

STANDARD



OPTION

