

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 | ✓ |

| 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 |
|----------------------|--|

Pictograms

STANDARD



OPTION

