# KERN **OCM 167**

The inverted biological laboratory microscope – also with fluorescence



## Category

| | |
|---|---|
| Brand | Optics |
| Product categoriy | Microscope |
| Product group | Inverted microscope |
| Product family | OCM-1 |

## Construction

| | |
|---|---|
| Dimension (W×D×H) | 782×304×530 mm |
| Optical system | Infinity |
| Tube type | Trinocular |
| Tube angle of inclination | 45° |
| Tube type | Siedentopf |
| Light distribution | 100:0 |
| Contrasting methods | Bright field<br>Phase contrast<br>Fluorescent |
| Standard objectives | 10×<br>20×<br>40×<br>PH 20× |
| Lens quality | Infinity Plan |
| Nosepiece screw-in locations | 5 |
| Centring eyepiece | ✓ |
| Interpupillary distance [Min] | 48 mm |
| Interpupillary distance [Max] | 76 mm |
| Diopter adjustment | both-sided |
| Diopter adjustment [Min] | -5 |
| Diopter adjustment [Max] | 5 |

## Ocular

| | |
|---|---|
| Ocular type | Eyepiece HWF 10 x / Ø 22mm with anti-fungus, high eye point |
| Ocular field width | HWF |
| Eye point | High Eye Point |
| Ocular magnifications | 10 x |
| Ocular visual field | 22 mm |
| Ocular diameter | 30 mm |

## Objective

| | |
|---|---|
| Objectives - Details | Objective Infinity Plan 10 x / 0,25 LWD, Fluor, anti-fungus<br>Objective Infinity Plan 20 x / 0,45 LWD, Fluor, anti-fungus<br>PH-Objective Infinity Plan 20 x / 0,45 LWD, Fluor, anti-fungus<br>Objective Infinity Plan 40 x / 0,65 LWD, Fluor, anti-fungus |
| Objectives magnifications | 10 x / 20 x / 40 x |

## Illumination

| | |
|---|---|
| Illuminance | Reflected light<br>Transmitted light |
| Illumination type incident light | LED |
| Illumination type transmitted light | LED |
| Illumination intensity incident light | 5 W |
| Illumination intensity transmitted light | 5 W |
| Illumination dimmable | Transmitted light |
| Filter possible | ✓ |
| Aperture diaphragm | ✓ |
| Field diaphragm | ✓ |

## Focussing

| | |
|---|---|
| Field of view [Min] | 0,55 mm |
| Field of view [Max] | 2,2 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 |
| Plug-in power supply / adapter for countries - included with the delivery | EURO |

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|---|---|
| Plug-in power supply / adapter for countries - optional | AUS<br>UK<br>US<br>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 | 2 d |
| Dimensions packaging (W×D×H) | 1050×590×330 mm |
| Shipping method | Freight |
| Net weight approx. | 22 kg |
| Gross weight approx. | 28 kg |
| Shipping weight | 40,9 kg |

## Pictograms

STANDARD

