

# KERN OCM 161

The inverted biological laboratory microscope – also with fluorescence



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

| Illumination                             |                   |
|--|-------------------|
| Illuminance                              | Transmitted light |
| Illumination type incident light         | none              |
| Illumination type transmitted light      | Halogen           |
| Illumination intensity transmitted light | 30 W              |
| Illumination dimmable                    | Transmitted light |
| Filter possible                          | ✓                 |
| Aperture diaphragm                       | ✓                 |
| Brand of light bulb                      | Philips           |

| 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   | Built-in power supply |
| Plug-in power supply / adapter for countries - included with the delivery | EURO                  |
|   | EURO                  |
| Plug-in power supply / adapter for countries - optional                   | UK<br>US<br>CH        |

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

| Construction                  |                       |
|-------------------------------|-----------------------|
| Dimension (WxDxH)             | 599x304x530 mm        |
| Optical system                | Infinity              |
| Tube type                     | Trinocular            |
| Tube angle of inclination     | 45°                   |
| Tube type                     | Siedentopf            |
| Light distribution            | 100:0                 |
| Contrasting methods           | Bright field          |
|                               | Phase contrast        |
|                               | Fluorescent (optimal) |
| Standard objectives           | 10x                   |
|                               | 20x                   |
|                               | 40x                   |
|                               | PH 20x                |
| 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 |

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Input voltage power supply / power [Max] 100 - 240 V

Input voltage device / power [Max] 100 - 240 V

## 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) 660×590×325 mm

Net weight 13,968 kg

Shipping method Parcel service

Net weight approx. 14 kg

Gross weight approx. 18 kg

Shipping weight 25,3 kg

## Pictograms

### STANDARD

