PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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# KERN OCM 166

The inverted biological laboratory microscope with fluorescence

ENGLISH



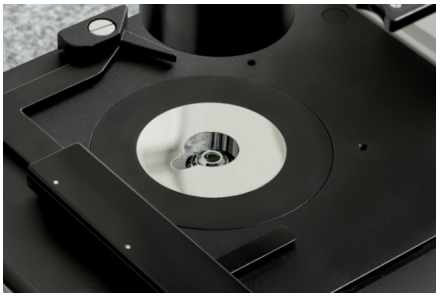

## CONTACT

**KERN & SOHN GmbH**
**Ziegelei 1**
**72336 Balingen**
**Germany**

**+49 7433 9933-0**
**info@kern-sohn.com**
**www.kern-sohn.com**







## FEATURES

- The OCM range stands out through its design which is ergonomic, robust and extremely stable. This design, with its large working distance, is particularly suitable for the monitoring and analysis of cell cultures, for example
- A strong and infinitely adjustable 30 W halogen illumination unit ensures the optimum illumination in the bright field of your samples. An additional Osram 100W-HBO Epi fluorescence illumination unit is available to you as a fluorescence microscope for perfect illumination and stimulation of your fluorescence samples
- A special Abbe N.A. 0.3 condenser with aperture diaphragm and large working distance of 72 mm guarantees the very best working practise in the bright field and with fluorescence applications
- As standard, the OCM range is fitted with a trinocular eyepiece tube
- The mechanical stage including specimen holder (⌀ 110 mm) means that you can work quickly and effectively. Further brackets for petri dishes are included with delivery or available as accessories
- Further options such as, for example, a selection of eyepieces, objectives, specimen holders and other phase contrast units can be integrated as accessories
- A dust cover as well as user instructions are included with the delivery

## MAIN SCOPE OF APPLICATIONS

- Research and breeding of cell cultures and tissue cultures

## APPLICATIONS AND SAMPLES

- Particularly for viewing samples in culture vessels (flasks, petri dishes, microtitre plates), translucent, thin, low-contrast, challenging samples (e.g. animal or plant tissue structures or cells, and, where applicable, microorganisms; immunofluorescence in research, FISH, DAPI staining, etc.)

## TECHNICAL DATA

- Optical system: Infinity
- Siedentopf 45° inclined/ 360° rotatable
- 5-fold objective revolving unit
- Diopter adjustment, both-sided
- Overall dimensions W×D×H 782×304×530 mm
- Net weight approx. 22 kg

## PLEASE NOTE FOR YOUR ORDER

- A C-mount adapter is required to connect a camera (see accessories)

## PICTOGRAMS

Standard




## ACCESSORIES

| Model | Description |
|---|---|
| 822-903 | Power cord (UK) 822-903 |
| MLB-A07 | Power cord (EURO) MLB-A07 |
| MLB-A09 | Power cord (US) MLB-A09 |
| OBB-A1372 | 6 V / 30 W halogen bulb (Philips) OBB-A1372 |
| OBB-A1389 | Protective dust cover OBB-A1389 (700×900 mm) |
| OBB-A1500 | PH slider universal OBB-A1500 |
| OBB-A1503 | Object holder (Ø 110 mm) OBB-A1503 |
| OBB-A1505 | Holder for culture dish (65 mm) OBB-A1505 |
| OBB-A1506 | Holder for culture dish (54 mm) OBB-A1506 |
| OBB-A1507 | Holder for culture dish (35 mm) OBB-A1507 |
| OBB-A1510 | Filter Blue OBB-A1510 |
| OBB-A1511 | Filter Green OBB-A1511 |
| OBB-A1513 | Filter Grey OBB-A1513 |
| OBB-A1514 | C-Mount camera adapter OBB-A1514 (1x) |
| OBB-A1515 | C-Mount camera adapter OBB-A1515 (0,5x) |
| OBB-A1523 | Eyepiece OBB-A1523 (Ø \| HWF 10x \| Ø 22 mm \| with scale 0,1 mm) |
| OBB-A1544 | Centering Eyepiece OBB-A1544 |
| OBB-A1590 | Microscope Camera Adapter OBB-A1590 (0,75x) |
| OBB-A1600 | Objective 4x (Infinity Plan) OBB-A1600 |
| OBB-A1604 | Infinity PH-Plan-objective 4x OBB-A1604 |
| OBB-A1605 | Infinity PH-Plan-objective 10x OBB-A1605 |
| OBB-A1607 | Infinity PH-Plan-objective 40x OBB-A1607 |

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| Model | Description |
|---|---|
| OBB-A1608 | PH slider 4× OBB-A1608 |
| OBB-A1656 | Infinity planachromatic objective 2x /0,06 W.D. (7,2 mm) OBB-A1656 |
| OCS-A1101 | Cleaning liquid OCS-A1101 |
| OCS 901 | Cleaning set for microscopes OCS 901 |
| ODC 241 | Tablet microscope camera ODC 241 (5 MP, WiFi, USB 2.0, MicroSD, Wireless data transfer, HDMI Micro) |
| ODC 251 | Tablet microscope camera ODC 251 (8 MP 4 K, Ethernet, WiFi, USB 2.0, USB 3.0, HDMI, Wireless data transfer) |
| ODC 825 | Microscope camera ODC 825 (5,1 MP, USB 2.0) |
| ODC 832 | Microscope camera ODC 832 (5,1 MP, USB 3.0) |
| ODC 861 | Camera for fluorescence microscopes (cooling) ODC 861 (Sony CMOS, 1", USB 3.0) |
| YKK-01 | Power cord (CH) YKK-01 |

# KERN Pictogram Overview

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|---|---|
|  | Trinocular Microscope: For the inspection with both eyes and the additional option for the connection of a camera |
|  | Abbe Condenser: With high numerical aperture for the concentration and the focusing of light |
|  | Halogen illumination: For pictures bright and rich in contrast |
|  | Phase contrast unit: For a higher contrast |
|  | Fluorescent illumination: for incident light microscope |
|  | Infinity system: Infinity corrected optical system |
|  | Integrated power supply unit: Integrated in device. 230 V/50 Hz standard EU. More standards e.g. GB, USA or AUS on request |
|   | Pallet shipment: The duration of internal product provision are two days |

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