PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN OCM 161

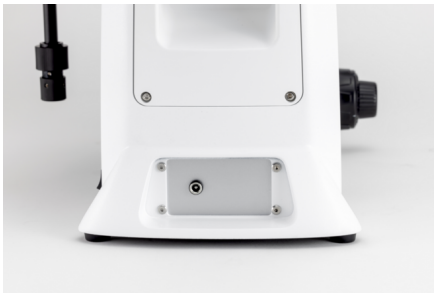
The inverted biological laboratory microscope

ENGLISH

CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

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



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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
- 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 660×600×335 mm
- Net weight approx. 15 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
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-A1516	100 W HBO Fluorescent Unit (B / G) OBB-A1516
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
OBB-A1608	PH slider 4× OBB-A1608

Model	Description
OBB-A1630	100W LED fluorescent unit (B / G) OBB-A1630
OBB-A1631	3W LED fluorescent unit (B / G) OBB-A1631
OBB-A1632	3W LED fluorescent unit (B / G / V / UV) OBB-A1632
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 841	Microscope camera ODC 841 (Sony CMOS, 1", USB 3.0)
ODC 854	Microscope camera ODC 854 (8 MP 4 K, USB 2.0, USB 3.0, HDMI)

KERN Pictogram Overview

	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
	Infinity system: Infinity corrected optical system
	Plug-in power supply: 230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available
	Package shipment by courier service: The duration of internal product provision is one day

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