PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN OZL 466C825

The flexible, affordable all-rounder with zoom function as a digital solution for schools, training companies, inspection authorities and laboratories.

ENGLISH

CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

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

FEATURES

- The flexible, cost-effective OZL-46 series is also available to you as a comprehensive digital solution with an mounted C-mount camera for your live investigations. Naturally, the appropriate C-mount adapter is included with the delivery
- The mounted C-mount camera is available in different versions and can be used anywhere
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery

OZL 466

- The products in the KERN OZL-46 series are stereo zoom microscopes, which will impress you with their easy handling, flexibility as well as their stability and economical price.
- NEW: Zoom wheel with integrated click stop for precise and reproducible selection of defined magnification levels
- NEW: 50:50 beam path distribution for simultaneous use of eyepieces and camera, ideal for documentation, live image transfer and precise inspection and soldering work
- The LED incident and transmitted illumination included as standard guarantees the very best illumination of your sample
- The highlight of the KERN OZL 466 is the strong, continuoulsy dimmable, integrated LED ring illumination in the objective housing,which ensures uniform, shadow-free illumination. An LED transmitted light variant is also included
- As well as excellent optical characteristics and their large working surface, this model offer the highest level of comfort in this class – ideal for training companies, workshops as well as assembly and repair workstations, e.g. in the electronics industry.
- The zoom objective offers you continuous magnification from 0,7x-4,5x
- The pillar stand offers you the highest level of flexibility and the freedom to remove the microscope head and to integrate it into other modular systems, for example into a universal stand

ODC 825

- Through the proven CMOS technology, in connection with the USB 2.0 the images are shown quickly and clearly
- These cameras are also ideal for more demanding applications, such as, for example, darkfield, phase contrast and for fluorescence applications
- Your daily work is made significantly easier with the very best synchronisation, a high frame rate as well as stable image performance when used in conjunction with our free PC software, VIS 2.0 PRO or VIS 2.0 LITE
- The power supply is through the USB cable, which means that no additional power supply is required
- As well as the camera, the delivery includes our multi-lingual KERN Microscope VIS Basic KERN OXM 901, a USB cable (Length: 2000 mm) various eyepiece adapters and an object micrometer to calibrate the software

MAIN SCOPE OF APPLICATIONS

- zoology and botany
- tissue preparation
- section
- Quality control

TECHNICAL DATA

- Optical system: Greenough
- Tube 45° inclined
- Magnification ratio: 6,4:1
- Light distribution: 0:100
- Interpupillary distance: 55 mm–75 mm
- Diopter adjustment, both-sided
- Eyepiece: HWF 10x/Ø 20 mm
- Field of view: Ø 28,6 mm – 4,4 mm
- Objective: 0,7x – 4,5x
- Stand: pillar
- Illumination: 3 W-LED (reflected light) / 3 W-LED (transmitted light)
- Brightness adjustable (separate)
- Overall dimensions W×D×H 300×240×490 mm
- Net weight approx. 5,0 kg

PICTOGRAMS

Standard

ACCESSORIES

Model	Description
822-903	Power cord (UK) 822-903
MLB-A07	Power cord (EURO) MLB-A07
OBB-A1387	Protective dust cover OBB-A1387 (485×450 mm)
OCS-A1101	Cleaning liquid OCS-A1101
OCS 901	Cleaning set for microscopes OCS 901
ODC-A2404	Calibration slide ODC-A2404
ODC-A8102	Eyepiece adapter for microscope cameras ODC-A8102 (Ø 23,2 – Ø 30 mm)
ODC-A8103	Eyepiece adapter for microscope cameras ODC-A8103 (Ø 23,2 – Ø 30,5 mm)
ODC-A8105	Eyepiece adapter for microscope cameras ODC-A8105 (0,5× / 23,2 mm)
ODC 241	Tablet microscope camera ODC 241 (5 MP, WiFi, USB 2.0, MicroSD, Wireless data transfer, HDMI Micro)

Model	Description
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 852	Camera for stereomicroscopes (AF) ODC 852 (5 MP, WiFi, USB 2.0, HDMI, SD card slot)
ODC 854	Microscope camera ODC 854 (8 MP 4 K, USB 2.0, USB 3.0, HDMI)
ODC 874	Microscope Ocular Camera ODC 874 (3,1 MP, USB 2.0)
ODC 881	Microscope Ocular Camera ODC 881 (5,1 MP, USB 3.0)
OZB-A4632	Eyepiece OZB-A4632 (Ø 30 mm | HWF 15x | Ø 15 mm)
OZB-A4633	Eyepiece OZB-A4633 (Ø 30 mm | HWF 20x | Ø 10 mm)
OZB-A4634	Eyepiece OZB-A4634 (Ø 30 mm | HWF 25x | Ø 10 mm)
OZB-A4635	Eyepiece OZB-A4635 (Ø 30 mm | HWF 10x | Ø 20 mm | with scale 0,1 mm)
OZB-A4642	Auxiliary objective OZB-A4642 (1,5x)
OZB-A4646	Solder protection lens OZB-A4646
OZB-A4670	Stand insert OZB-A4670
OZB-A4809	Microscope Camera Adapter OZB-A4809 (1x)
OZB-A4810	Microscope Camera Adapter OZB-A4810 (0,3x)
OZB-A4811	Microscope Camera Adapter OZB-A4811 (0,5x)
OZB-A4863	Eyepiece Camera Adapter OZB-A4863 (1x)
YKK-01	Power cord (CH) YKK-01

SOFTWARE

Model	Description
OXM 902	KERN microscope software OXM 902 Microscope VIS 2.0 PRO
OXM 903	KERN microscope software OXM 903 Microscope VIS 2.0 LITE

KERN Pictogram Overview

	360° rotatable microscope head
	Trinocular Microscope: For the inspection with both eyes and the additional option for the connection of a camera
	LED illumination: Cold, energy saving and especially long-life illumination
	Incident illumination: For non-transparent objects
	Transmitting illumination: For transparent objects
	Zoom magnification: For stereomicroscopes
	Data Interface USB: For connection to printers, PCs or other peripheral devices
	PC Software: to transfer the measurements from the device to a PC
	Integrated power supply unit: Integrated in device. 230 V/50 Hz standard EU. More standards e.g. GB, USA or AUS on request
	Package shipment by courier service: The duration of internal product provision is one day