PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN OZL 466T241

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

ENGLISH

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FEATURES

- The flexible, cost-effective OZL-46 series is also available to you as a comprehensive digital solution with an mounted tablet camera for your live investigations. Naturally, the appropriate C-mount adapter is included with the delivery
- The mounted KERN ODC 241 tablet-camera has been specially developed for simple, convenient and direct investigation of the sample on the screen. Ideally suited for school pupils and students in education or for demonstration purposes in the laboratory
- 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 241

- As well as a live transfer of theimage to the Android tablet, the integrated 5-MP cameraalso means that images and videos can becreated for the documentation.Simple measuring functions, such as, for example, functionsfor measuring distance, surfaces andangles as well as a manual counting function arealso available
- Automatic white balance and automatic contrast adjustment can be performed quickly and easily, which enables efficient working procedures
- A range of additional functions are provided through the integrated interfaces, such as, for example
  - Data storage on a USB stick or SD card
  - Connection to a USB mouse
  - Transfer of the live image to an external screen using HDMI

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 300×240×640 mm
- Net weight approx. 6 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

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Model	Description
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 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

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
	For data storage on a microSD card
	For data storage on a SD card
	Data Interface USB: For connection to printers, PCs or other peripheral devices
	Data interface WiFi: For data transfer to printers, PCs or other peripheral devices
	HDMI digital camera: For direct transmitting of the picture to a display device
	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

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