PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN OZL 464

The flexible, affordable all-rounder with zoom function for schools, training companies, inspection authorities and laboratories

ENGLISH

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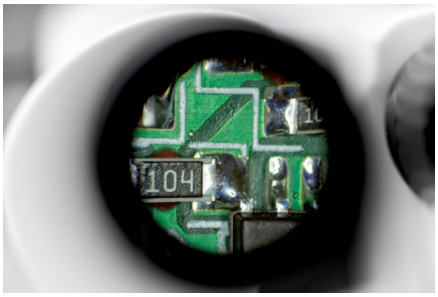
APPLICATION EXAMPLE



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FEATURES

- 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.
- The LED incident and transmitted illumination included as standard guarantees the very best illumination of your sample
- As well as excellent optical characteristics and their large working surface, these models 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.
- NEW: Zoom wheel with integrated click stop for precise and reproducible selection of defined magnification levels
- 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
- 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
- A large selection of eyepieces, external illumination units as well as auxiliary objectives are available as accessories
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery

MAIN SCOPE OF APPLICATIONS

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

APPLICATIONS AND SAMPLES

- Samples with focus on three-dimesnional impression (depth, thickness), e.g. insects, seeds, circuit boards, components

TECHNICAL DATA

- Optical system: Greenough
- Brightness adjustable (separate)
- Tube 45° inclined
- Magnification ratio: 6,4:1
- Light distribution: 50:50
- Interpupillary distance: 55 mm–75 mm
- Diopter adjustment, both-sided
- Overall dimensions W×D×H 300×240×420 mm
- Net weight approx. 4,2 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-A1387	Protective dust cover OBB-A1387 (485×450 mm)
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 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)

Model	Description
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-A4641	Auxiliary objective OZB-A4641 (0,5x)
OZB-A4642	Auxiliary objective OZB-A4642 (1,5x)
OZB-A4643	Auxiliary objective OZB-A4643 (2x)
OZB-A4644	Auxiliary objective OZB-A4644 (0,75x)
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
	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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