PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN OZL 445

The affordable and flexible stereo zoom microscope for laboratories, inspection authorities and quality controls

ENGLISH

CONTACT

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FEATURES

- The KERN OZL-44 is a stereo zoom microscope, which will impress you with the easy handling, flexibility as well as the 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.
- As standard this microscope offers you continuous total magnification of 7,5x–36x
- The OZL-44 series is available as a binocular version. The eyepieces are fixed in the eyepiece tube, to stop them getting damaged or lost.
- 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
- 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: 4,8:1
- Interpupillary distance: 55 mm–75 mm
- Diopter adjustment, both-sided
- Overall dimensions W×D×H 230×235×360 mm
- Net weight approx. 4,4 kg

PICTOGRAMS

Standard

ACCESSORIES

Model	Description
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 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-A4101	Eyepiece OZB-A4101 (Ø 30,5 mm | WF 5x | Ø 16,2 mm)
OZB-A4103	Eyepiece OZB-A4103 (Ø 30,5 mm | WF 15x | Ø 15 mm)
OZB-A4104	Eyepiece OZB-A4104 (Ø 30,5 mm | WF 20x | Ø 10 mm)
OZB-A4106	Eyepiece OZB-A4106 (Ø 30,5 mm | HWF 10x | Ø 20 mm)
OZB-A4151	Eyepiece OZB-A4151 (Ø 30,5 mm | WF 10x | Ø 20 mm | with scale 0,1 mm)
OZB-A4201	Auxiliary objective OZB-A4201 (0,5x)
OZB-A4202	Auxiliary objective OZB-A4202 (0,75x)
OZB-A4204	Auxiliary objective OZB-A4204 (1,5x)
OZB-A4205	Auxiliary objective OZB-A4205 (2x)
OZB-A4251	Solder protection lens OZB-A4251
OZB-A4441	Holder for stereo stand (co-ax focus) OZB-A4441

Model	Description
OZB-A4601	Darkfield application OZB-A4601
OZB-A4805	Stand insert frosted glass OZB-A4805
YKA-02	Travel adapter YKA-02

KERN Pictogram Overview

	360° rotatable microscope head
	Binocular Microscope: For the inspection with both eyes
	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
	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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