PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

31.10.2026

KERN OZP 158

Professional and powerful – thanks to its extremely large magnification range, strong illumination and first-class optics

ENGLISH



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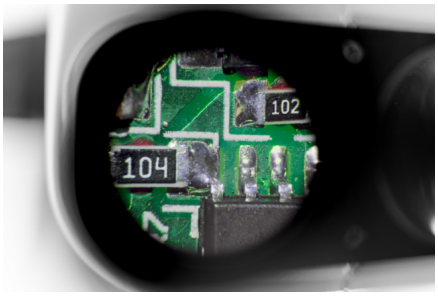
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APPLICATION EXAMPLE





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FEATURES

- The KERN OZP stereo zoom microscope stands out through its above-average magnification range and its robust shape which is also ergonomic, it enables effortless, simple working over a period of several hours
- The KERN OZP is available as a strong, continuously adjustable 3 W LED reflected and transmitted light variant for the very best illumination of your sample
- With its large working distance, an extra large field of view and its brilliant resolution, the KERN OZP provides sharp, high-contrast, colour-true images.
- As standard this microscope offers you continuous total magnification of 6,5x–55x
- 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 pillar stand is particularly flexible due to its variable and sturdy adjustment mechanism and therefore enables ergonomic working procedures.
- C-mount (1x) adapter to connect a camera is included with the delivery
- A large selection of eyepieces, (universal) stands, a darkfield kit, external illumination units as well as auxiliary objectives and more 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
- Quality control
- LCD/LED electronics, semiconductor technology
- assembly and repair

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: 8,5:1
- Light distribution: 50:50
- Interpupillary distance: 54 mm–76 mm
- Diopter adjustment, both-sided
- Overall dimensions W×D×H 380×235×450 mm
- Net weight approx. 0,05 kg

PICTOGRAMS

Standard



ACCESSORIES

Model	Description
822-903	Power cord (UK) 822-903
MLB-A07	Power cord (EURO) MLB-A07
MLB-A09	Power cord (US) MLB-A09
OBB-A1387	Protective dust cover OBB-A1387 (485×450 mm)
OBB-A6102	Ring lighting OBB-A6102-2018a
OBB-A6102	Ring lighting (EU) OBB-A6102
OBB-A6102UK	Ring lighting (UK) OBB-A6102UK
OBB-A6205	Object clamp OBB-A6205
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)

Model	Description
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)
OZB-A4571	Ring lighting (EU) OZB-A4571
OZB-A4571UK	Ring lighting (UK) OZB-A4571UK
OZB-A4572	Ring lighting (EU) OZB-A4572
OZB-A4572UK	Ring lighting (UK) OZB-A4572UK
OZB-A4601	Darkfield application OZB-A4601
OZB-A4631	Eyepiece OZB-A4631 (Ø 30 mm | HWF 10x | Ø 20 mm)
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-A4646	Solder protection lens OZB-A4646
OZB-A4670	Stand insert OZB-A4670
OZB-A4806	Stand insert Black/White OZB-A4806
OZB-A5201	Stereomicroscope Stand OZB-A5201
OZB-A5203	Stereomicroscope Stand OZB-A5203
OZB-A5211	Stereomicroscope Stand OZB-A5211
OZB-A5212	Stereomicroscope Stand OZB-A5212
OZB-A5213	Stereomicroscope Stand OZB-A5213
OZB-A5617	Auxiliary objective OZB-A5617 (0,5x)
OZB-A5618	Auxiliary objective OZB-A5618 (0,75x)
OZB-A5619	Auxiliary objective OZB-A5619 (1,5x)
OZB-A5620	Auxiliary objective OZB-A5620 (2x)
OZB-A5710	Microscope Camera Adapter OZB-A5710 (0,5x)
OZB-A5711	Microscope Camera Adapter OZB-A5711 (0,35x)
OZB-A5781	Microscope stage OZB-A5781
OZB-A5782	Microscope stage OZB-A5782
OZB-A6301	Stereomicroscope Stand OZB-A6301
OZB-A6302	Stereomicroscope Stand OZB-A6302
OZB-A6303	Stereomicroscope Stand (Universal) OZB-A6303
OZB-A7101EU	Polarization ring illumination OZB-A7101EU

Model	Description
OZB-A7101UK	Polarization ring illumination OZB-A7101UK
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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