PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

30.10.2026

KERN OZM 541

First-class optics combined with a high level of flexibility

ENGLISH



CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

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

FEATURES

- The KERN OZM-5 series is a range of excellent stereo zoom microscopes with above-average optical features.
- The ergonomic shape allows a simple, effortless working over a period of several hours.
- With its large working distance, an extra large field of view and its brilliant resolution, the KERN OZM provides sharp, high-contrast, colour-true images.
- As standard this microscope offers you continuous total magnification of 7x–45x
- The pillar stand is particularly flexible due to its variable and sturdy adjustment mechanism and therefore enables ergonomic working procedures.
- 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

- in vitro fertilisation, detection of parasites, zoology and botany, tissue preparation, section, 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: 6,4:1
- Light distribution:
- Interpupillary distance: 52 mm–76 mm
- Diopter adjustment, both-sided
- Overall dimensions W×D×H 330×285×440 mm
- Net weight approx. 3,8 kg

PICTOGRAMS

Standard



ACCESSORIES

Model	Description
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 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-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-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-A5504	Eyepiece OZB-A5504 (Ø 30 mm | SWF 15x | Ø 17 mm)
OZB-A5505	Eyepiece OZB-A5505 (Ø 30 mm | SWF 20x | Ø 14 mm)
OZB-A5506	Eyepiece OZB-A5506 (Ø 30 mm | SWF 30x | Ø 9 mm)
OZB-A5512	Eyepiece OZB-A5512 (Ø 30 mm | HSWF 10x | Ø 23 mm | with scale 0,1 mm)
OZB-A5513	Eyepiece OZB-A5513 (Ø 30 mm | SWF 15x | Ø 17 mm | with scale 0,05 mm)
OZB-A5514	Eyepiece OZB-A5514 (Ø 30 mm | SWF 20x | Ø 14 mm | with scale 0,05 mm)
OZB-A5611	Auxiliary objective OZB-A5611 (0,37x)
OZB-A5613	Auxiliary objective OZB-A5613 (0,7x)
OZB-A5614	Solder protection lens OZB-A5614
OZB-A5615	Auxiliary objective OZB-A5615 (1,5x)
OZB-A5616	Auxiliary objective OZB-A5616 (2x)
OZB-A5781	Microscope stage OZB-A5781

Model	Description
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
OZB-A7101UK	Polarization ring illumination OZB-A7101UK

KERN Pictogram Overview

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