PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN OZM 544C825

First-class optics as well as strong illumination combined with a high level of flexibility and digital tools

ENGLISH

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FEATURES

- The stereo microscopes of the OZM-5-series are available to you as a comprehensive digital solution with an mounted C-mount camera for your live investigations. Naturally, the appropriate C-mount adapter is included with the delivery
- The mounted C-mount camera is available in different versions and can be used anywhere
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery

OZM 544

- 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.
- The extraordinarily strong and continuously dimmable 3W LED incident and transmitted illumination ensures a flexible and particularly good level of illumination for your sample.
- With its large working distance, an extra large field of view and its brilliant resolution, the KERN provides sharp, high-contrast, colour-true images.
- The zoom objective offers you continuous magnification from 0,7x-4,5x
- The pillar stand is particularly flexible due to its variable and sturdy adjustment mechanism and therefore enables ergonomic working procedures.

ODC 825

- Through the proven CMOS technology, in connection with the USB 2.0 the images are shown quickly and clearly
- These cameras are also ideal for more demanding applications, such as, for example, darkfield, phase contrast and for fluorescence applications
- Your daily work is made significantly easier with the very best synchronisation, a high frame rate as well as stable image performance when used in conjunction with our free PC software, VIS 2.0 PRO or VIS 2.0 LITE
- The power supply is through the USB cable, which means that no additional power supply is required
- As well as the camera, the delivery includes our multi-lingual KERN Microscope VIS Basic KERN OXM 901, a USB cable (Length: 2000 mm) various eyepiece adapters and an object micrometer to calibrate the software

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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

TECHNICAL DATA

- Optical system: Greenough
- Tube 45° inclined
- Magnification ratio: 6,4:1
- Light distribution: 0:100
- Interpupillary distance: 52 mm–76 mm
- Diopter adjustment, both-sided
- Eyepiece: HSWF 10x/Ø 23 mm
- Field of view: Ø 32,8 mm – 5,1 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 330×285×510 mm
- Net weight approx. 6 kg

PICTOGRAMS

Standard

Option

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-A2404	Calibration slide ODC-A2404
ODC-A8102	Eyepiece adapter for microscope cameras ODC-A8102 (Ø 23,2 – Ø 30 mm)
ODC-A8103	Eyepiece adapter for microscope cameras ODC-A8103 (Ø 23,2 – Ø 30,5 mm)
ODC-A8105	Eyepiece adapter for microscope cameras ODC-A8105 (0,5× / 23,2 mm)

Model	Description
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)
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-A5133	Stereomicroscope Stand OZB-A5133
OZB-A5190	Stand insert glass OZB-A5190
OZB-A5192	Stand insert frosted glass OZB-A5192
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-A5612	Auxiliary objective OZB-A5612 (0,5x)
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-A5701	Microscope Camera Adapter OZB-A5701 (0,3x)
OZB-A5702	Microscope Camera Adapter OZB-A5702 (0,5x)

Model	Description
OZB-A5703	Microscope Camera Adapter OZB-A5703 (1x)
OZB-A5704	Microscope Camera Adapter OZB-A5704 (1x)
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

SOFTWARE

Model	Description
OXM 902	KERN microscope software OXM 902 Microscope VIS 2.0 PRO
OXM 903	KERN microscope software OXM 903 Microscope VIS 2.0 LITE

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
	Data Interface USB: For connection to printers, PCs or other peripheral devices
	PC Software: to transfer the measurements from the device to a PC
	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
	Length measurement: Integrated scale in the eyepiece

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