MICROSCOPES & REFRACTOMETERS 2023

MICROSCOPES

Digital microscope sets KERN OBE-S





Our all-round compound microscope as a comprehensive digital solution for schools, training and laboratories

Features

- Laboratory microscopes from the OBE range are now also available to you as a comprehensive digital solution for your live investigations. Optionally available with an mounted tablet or C-mount camera. Naturally, the appropriate C-mount adapter is included with the delivery
- The mounted KERN ODC 241 tablet-camera has been specially developed for simple, convenient and direct investigation of the sample on the screen. Ideally suited for school pupils and students in education or for demonstration purposes in the laboratory
- The mounted C-mount camera is available in different versions and can be used anywhere
- For detailed information on the individual components, see the relevant product description of the individual item
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of the delivery

Technical data

- · Finite optical system
- Quadplex nosepiece
- Siedentopf 30° inclined/360° rotatable
- Diopter adjustment: One-sided
- Eyepiece: HWF 10×/Ø 18 mm
- Objective quality: Achromatic
- Objectives OBE 124: 4×/10×/40×
- Objectives OBE 134: 4×/10×/40×/100×
- Illumination: 3 W LED (transmitted)
 Overall dimensions W×D×H
- 320×180×365 mm
- Net weight approx. 5,5 kg

Model			Standard configuration (camera)	1		
KERN	Included camera	Resolution camera	Interface	Sensor	Details microscope, camera	
OBE 124C825 OBE 134C825	- ODC 825	5 MP	USB 2.0 (6,8 – 55 FPS)	CMOS 1/2,5"	KERN Optics catalogue	
OBE 124C832 OBE 134C832	ODC 832	5 MP	USB 3.0 (14,2 - 101,2 FPS)	CMOS 1/2,5"	Page 14, 86	
OBE 124T241 OBE 134T241	- ODC 241	5 MP	WiFi, USB 2.0, HDMI, SD (15 - 30 FPS)	CMOS 1/2,5"	KERN Optics catalogue Page 14, 90	

MICROSCOPES & REFRACTOMETERS 2023

KERN PICTOGRAMS



360° rotatable microscope head



Monocular Microscope For the inspection with one eye

Binocular Microscope 00 For the inspection with both eyes



Trinocular Microscope For the inspection with both eyes and the additional option for the connection of a camera



Abbe Condenser With high numerical aperture for the concentration and the focusing of light



Ð

LED

Halogen illumination For pictures bright and rich in contrast

LED illumination Cold, energy-saving and especially long-life illumination



Incident illumination For non-transparent objects



Transmitting illumination For transparent objects



Fluorescence illumination For stereomicroscopes

Fluorescence illumination for compound microscopes With 100 W mercury lamp and filter



Fluorescence illumination for compound microscopes With 3W LED illumination and filter



Phase contrast unit For a higher contrast



Darkfield condenser/unit For a higher contrast due to indirect illumination



ABBREVIATIONS

C-Mount FPS

H(S)WF

SLR camera

LWD

N.A.

SWF

W.D.

WF

To polarise the light









Polarising unit



Frames per second

Numerical Aperture

Working Distance

Long Working Distance

Single-Lens Reflex camera



ZOOM

Infinity system Infinity corrected optical system



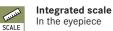
Auto-focus



PARALLEL

Parallel optical system For stereomicroscopes, enables fatigue-proof working

For automatic control of the focus level







USB 2.0 digital camera For direct transmitting of the picture to a PC



USB 3.0 digital camera For direct transmitting of the picture to a PC



WIFI data interface: For transmitting of the picture to a mobile display device



HDMI digital camera For direct transmitting of the picture to a display device



PC software To transfer the measurements from the device to a PC.



Automatic temperature compesation For measurements between 10 $^\circ\mathrm{C}$ and 30 $^\circ\mathrm{C}$



Adapter for the connection of a camera to a trinocular microscope

Super Wide Field (Field number at least Ø 23 mm for 10× eyepiece)

Wide Field (Field number up to Ø 22 mm for 10× eyepiece)

High (Super) Wide Field (Eyepiece with high eye point for wearers of glasses)

Protection against dust and water splashes IPxx:

The type of protection is shown in the pictogram cf. DIN EN 60529:2000-09, IEC 60529:1989+A1:1999+A2:2013



Battery operation Ready for battery operation. The battery type is specified for each device.



Battery operation rechargeable

Prepared for a rechargeable battery operation



Plug-in power supply 230V/50Hz in standard version for EU. On request GB, AUS or USA version.



Integrated power supply unit Integrated in microscope. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.



Package shipment

The time required to manufacture the product internally is shown in days in the pictogram.



Pricing on any accessories shown can be found by keying the part number into the search box on our website. The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

www.wolflabs.co.uk

Tel : 01759 301142 Fax : 01759 301143 sales@wolflabs.co.uk

Please contact us if this literature doesn't answer all your questions.