PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN OBE 124T241

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

ENGLISH



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FEATURES

- Laboratory microscopes from the OBE range are 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
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery

OBE 124

- The KERN OBE 124 stands out through its exclusive, dynamic device, which is second to none in terms of sturdy construction and ergonomics. The clever storage compartment on the back will enables quick practical storage for your power cable. Thanks to the USB connection technology, it is also possible to supply power using an external powerbank
- The impressive, infinitely dimmable 3W LED guarantees bright illumination of your sampleA further highlight is the Butterfly tube which is integrated as standard and which enables you to achieve the ideal viewing angle. The height-adjustable and thereby focusable 1.25 Abbe condenser with aperture diaphragm is a further quality feature of the OBE range and guarantees the very best concentration of lightHeight adjustment of the fully-equipped mechnical stage is carried out using a coarse and fine focusing knob on bothsides. The ergonomically designed coaxial drive enables you to work with the samples and move them rapidly

ODC 241

- As well as a live transfer of theimage to the Android tablet, the integrated 5-MP cameraalso means that images and videos can becreated for the documentation.Simple measuring functions, such as, for example, functionsfor measuring distance, surfaces andangles as well as a manual counting function arealso available
- Automatic white balance and automatic contrast adjustment can be performed quickly and easily, which enables efficient working procedures
- A range of additional functions are provided through the integrated interfaces, such as, for example
  - Data storage on a USB stick or SD card
  - Connection to a USB mouse
  - Transfer of the live image to an external screen using HDMI
- The delivery includes the tablet camera with pre-installed software as well as the power pack

MAIN SCOPE OF APPLICATIONS

- Training
- haematology
- sediment investigation
- doctor's practise
- Veterinary
- Inpatient facilities
- Outpatient facilities
- Health authorities
- Training centres
- Universities

TECHNICAL DATA

- Optical system: Finite
- 4-fold objective revolving unit
- Butterfly 30° inclined/ 360° rotatable
- Diopter adjustment, one-sided
- Eyepiece: HWF 10x/Ø 18 mm
- Objective quality: achromatic
- Objectives: 4×, 10×, 40×
- Illumination: 3 W-LED (transmitted light)
- Overall dimensions W×D×H 360×235×540 mm
- Net weight approx. 6 kg

PICTOGRAMS

Standard



Option



ACCESSORIES

Model	Description
OBB-A1109	Achromatic objective, 100x /1,25 (oil) (sprung) W.D. (0,07 mm) OBB-A1109
OBB-A1110	Achromatic objective, 20x /0,4 (sprung) W.D. (1,75 mm) OBB-A1110
OBB-A1113	Achromatic objective, 60x /0,85 (sprung) W.D. (0,1 mm) OBB-A1113
OBB-A1137	Microscope Camera Adapter OBB-A1137 (0,5x)

Model	Description
OBB-A1139	Microscope Camera Adapter OBB-A1139 (1x)
OBB-A1148	Darkfield application OBB-A1148 (4×–40×)
OBB-A1184	Grey filter OBB-A1184
OBB-A1238	Objective 10x (Plan achromatic) OBB-A1238
OBB-A1239	Objective 100x (Plan achromatic) OBB-A1239
OBB-A1249	Objective 20x (Plan achromatic) OBB-A1249
OBB-A1255	Objective 4x (Plan achromatic) OBB-A1255
OBB-A1256	Objective 40x (Plan achromatic) OBB-A1256
OBB-A1269	Objective 60x (Plan achromatic) OBB-A1269
OBB-A1347	Eyepiece OBB-A1347 (Ø 23,2 mm | WF 10x | Ø 18 mm)
OBB-A1348	Eyepiece OBB-A1348 (Ø 23,2 mm | HWF 10x | Ø 18 mm)
OBB-A1349	Eyepiece OBB-A1349 (Ø 23,2 mm | HWF 10x | Ø 18 mm | with scale 0,1 mm)
OBB-A1354	Eyepiece OBB-A1354 (Ø 23,2 mm | WF 16x | Ø 13 mm)
OBB-A1387	Protective dust cover OBB-A1387 (485×450 mm)
OBB-A1441	Achromatic objective, 100x, Plan /1 (water) (sprung) W.D. (0,18 mm) OBB-A1441
OBB-A1466	Blue filter OBB-A1466
OBB-A1467	Green filter OBB-A1467
OBB-A1468	Yellow filter OBB-A1468
OCS-A1101	Cleaning liquid OCS-A1101
OCS 901	Cleaning set for microscopes OCS 901
ODC-A2404	Calibration slide ODC-A2404
ODC 241	Tablet microscope camera ODC 241 (5 MP, WiFi, USB 2.0, MicroSD, Wireless data transfer, HDMI Micro)
ODC 251	Tablet microscope camera ODC 251 (8 MP 4 K, Ethernet, WiFi, USB 2.0, USB 3.0, HDMI, Wireless data transfer)
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 841	Microscope camera ODC 841 (Sony CMOS, 1", USB 3.0)
ODC 854	Microscope camera ODC 854 (8 MP 4 K, USB 2.0, USB 3.0, HDMI)

KERN Pictogram Overview

	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
	LED illumination: Cold, energy saving and especially long-life illumination
	For data storage on a microSD card
	For data storage on a SD card
	Data Interface USB: For connection to printers, PCs or other peripheral devices
	Data interface WiFi: For data transfer to printers, PCs or other peripheral devices
	HDMI digital camera: For direct transmitting of the picture to a display device
	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
	Darkfield condenser/unit: For a higher contrast due to indirect illumination
	Length measurement: Integrated scale in the eyepiece

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