PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

30.10.2026

# KERN OBE 122

Elegant, dynamic and impressive - the all-round compound microscope for schools, training and laboratories

ENGLISH




## CONTACT

**KERN & SOHN GmbH**
**Ziegelei 1**
**72336 Balingen**
**Germany**

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





ENGLISH

## FEATURES

- The KERN OBE 122 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 sample
- A further highlight is the butterfly lens barrel which enables you to achieve the ideal viewing angle and is integrated as standard on all binocular and trinocular models. 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 light
- Height 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
- A large selection of different eyepieces and objectives are available to you 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

- sediment investigation
- Training centres
- Universities

## APPLICATIONS AND SAMPLES

- Translucent, thin, high-contrast, less complex samples (e.g. plant tissue, coloured cells/ parasites)

## TECHNICAL DATA

- Optical system: Finite
- 4-fold objective revolving unit
- Butterfly 30° inclined
- Diopter adjustment, one-sided
- Overall dimensions W×D×H 360×150×320 mm
- Net weight approx. 4,6 kg

## PICTOGRAMS

Standard




Option



## MODEL OVERVIEW

| Model | Tube | Eyepiece | Objective quality | Objectives | Illumination (transmitted) |
|---|---|---|---|---|---|
| OBE 121 | Monocular | HWF 10x/ Ø 18 mm | achromatic | 4× / 10× / 40× | 3 W-LED |
| OBE 122 | Binocular | HWF 10x/ Ø 18 mm | achromatic | 4× / 10× / 40× | 3 W-LED |
| OBE 124 | Trinocular | HWF 10x/ Ø 18 mm | achromatic | 4× / 10× / 40× | 3 W-LED |

## 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-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 |

ENGLISH

| Model | Description |
|---|---|
| OBB-A1468 | Yellow filter OBB-A1468 |
| 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) |

## KERN Pictogram Overview

| | |
|---|---|
|  | Binocular Microscope: For the inspection with both eyes |
|  | Abbe Condenser: With high numerical aperture for the concentration and the focusing of light |
|  | LED illumination: Cold, energy saving and especially long-life illumination |
|  | 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 |

ENGLISH