PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

31.10.2026

# KERN OKM 173

The metallurgical reflected light microscope for material testing and surface testing, as well as quality assurance in industry

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 OKM is an excellent metallurgical reflected light microscope, e.g. for surface quality testing of raw materials and finished products in industry
- The strong, continuously dimmable 5 W-LED iillumination unit ensures excellent, high-contrast images
- The illumination unit with an integrated 5-slot filter wheel for blue, green, yellow, grey and blank means that you can quickly change the colour filter for different contrast views.
- A large mechanical stage for reflected illumination applications is configured as standard. The coarse and fine focusing knob on both sides guarantees optimal adjustment and focusing of your sample
- A simple polarising unit (analyser and polariser) is included with delivery
- A large selection of different eyepieces and objectives is also available
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery

## MAIN SCOPE OF APPLICATIONS

- Metallurgy, material testing, Quality assurance

## APPLICATIONS AND SAMPLES

- Opaque and thick samples, workpieces (surfaces, fold lines, coatings)

## TECHNICAL DATA

- Optical system: Infinity
- Butterfly 30° inclined/ 360° rotatable
- 4-fold objective revolving unit
- Diopter adjustment, one-sided
- Overall dimensions W×D×H 440×200×400 mm
- Net weight approx. 8 kg

## PLEASE NOTE FOR YOUR ORDER

- A C-mount adapter is required to connect a camera (see accessories)

## PICTOGRAMS

Standard

## ACCESSORIES

| Model | Description |
|---|---|
| OBB-A1325 | Additional plate for work table OBB-A1325 |
| OBB-A1353 | Eyepiece OBB-A1353 (Ø 23,2 mm \| WF 12,5x \| Ø 14 mm) |
| OBB-A1354 | Eyepiece OBB-A1354 (Ø 23,2 mm \| WF 16x \| Ø 13 mm) |
| OBB-A1355 | Eyepiece OBB-A1355 (Ø 23,2 mm \| WF 5x \| Ø 20 mm) |
| OBB-A1388 | Protective dust cover OBB-A1388 (600×650 mm) |
| OBB-A1514 | C-Mount camera adapter OBB-A1514 (1x) |
| OBB-A1515 | C-Mount camera adapter OBB-A1515 (0,5x) |
| OBB-A1523 | Eyepiece OBB-A1523 (Ø \| HWF 10x \| Ø 22 mm \| with scale 0,1 mm) |
| OBB-A1530 | Objective 80x (Infinity Plan) OBB-A1530 |
| OBB-A1590 | Microscope Camera Adapter OBB-A1590 (0,75x) |
| OBB-A1623 | Objective 100x (Infinity Plan Semi Apochromatic) OBB-A1623 |
| OBB-A1655 | Infinity planachromatic objective 2x /0,06 W.D. (7,2 mm) OBB-A1655 |
| OBB-A1672 | Microscope filter OBB-A1672 |
| OBB-A1673 | Microscope filter OBB-A1673 |
| OCS-A1101 | Cleaning liquid OCS-A1101 |
| OCS 901 | Cleaning set for microscopes OCS 901 |
| 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

| | |
|---|---|
| | 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 |
| | Polarising unit: To polarise the light |
| | Infinity system: Infinity corrected optical system |
| | Length measurement: Integrated scale in the eyepiece |
| | 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 |

ENGLISH