

Product brochure

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KERN OKM 173

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

ENGLISH



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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 illumination 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 card slot, 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