PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN OPO 185

The flexible and powerful polarising microscope for all professional applications with reflected and transmitted light

ENGLISH

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FEATURES

- This device is a professional, fully-equipped polarising microscope, which uses the polarisation of light to analyse minerals, crystals and isotropic materials
- The KERN OPO 185 is a combi variant of LED incident illumination and LED transmitted illumination. A height-adjustable 0.9/0.13 Swing-out Abbe condenser which can be centred for complete Köhler illumination are part of the standard version
- A 360° revolving stage with 1° division, 6' fine division and locking function is integrated into all series as standard.
- A large selection of accessories such as, for example, a mechanical stage attachment as well as further objectives for a long working distance and filter units are 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

- Mineralogy, texture observations, material testing, observation of crystals

APPLICATIONS AND SAMPLES

- More complex samples with polarising properties

TECHNICAL DATA

- Optical system: Infinity
- Siedentopf 30° inclined/ 360° rotatable
- 5-fold objective revolving unit
- Diopter adjustment, both-sided
- Overall dimensions W×D×H 519×211×400 mm
- Net weight approx. 12 kg

PLEASE NOTE FOR YOUR ORDER

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

PICTOGRAMS

Standard

ACCESSORIES

Model	Description
OBB-A1121	Bertrand lens OBB-A1121
OBB-A1288	Objective 40x (Infinity Plan) OBB-A1288
OBB-A1289	Objective 10x (Infinity Plan) OBB-A1289
OBB-A1290	Objective 20x (Infinity Plan) OBB-A1290
OBB-A1291	Objective 20x (Infinity Plan) OBB-A1291
OBB-A1292	Objective 40x (Infinity Plan) OBB-A1292
OBB-A1293	Objective 40x (Infinity Plan) OBB-A1293
OBB-A1294	Objective 4x (Infinity Plan) OBB-A1294
OBB-A1295	Objective 50x (Infinity Plan) OBB-A1295
OBB-A1296	Objective 60x (Infinity Plan) OBB-A1296
OBB-A1297	Objective 80x (Infinity Plan) OBB-A1297
OBB-A1316	Lambda + 1/4 Lambda Slip (combination) OBB-A1316
OBB-A1337	Microscope stage OBB-A1337
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-A1590	Microscope Camera Adapter OBB-A1590 (0,75x)
OBB-A1624	Objective 5x (Infinity Plan Semi Apochromatic) OBB-A1624
OBB-A1625	Objective 10x (Infinity Plan Semi Apochromatic) OBB-A1625
OBB-A1626	Objective 20x (Infinity Plan Semi Apochromatic) OBB-A1626
OBB-A1628	Objective 100x (Infinity Plan Semi Apochromatic) OBB-A1628
OBB-A1642	Objective 50x (Infinity Plan Semi Apochromatic) OBB-A1642
OBB-A1672	Microscope filter OBB-A1672
OBB-A1673	Microscope filter OBB-A1673
OCS-A1101	Cleaning liquid OCS-A1101

Model	Description
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

	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
	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

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