PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN OBL 156

High-quality phase contrast microscope – specially pre-configured with a series of options for flexible expansion

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FEATURES

- We have developed this series specially for general applications with phase contrast method. In addition, the stable, modular construction system of the OBL series offers many more options.
- Strong and continuously dimmable 3W-LED illumination
- A special fixed, pre-centred phase contrast condenser as well as field diaphragm give you a simplified Köhler illumination and thereby a powerful phase-contrast display of your sample
- The large mechanical stage and its specimen holder holds up to two samples at the same time and is quick and easy to focus using a coaxial coarse and fine focusing knob on both sides
- A large selection of eyepieces, objectives and colour filters, a simple polarizing unit as well as further phase contrast units 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

- sewage treatment plants
- entomology
- water analysis
- breweries
- Training centres
- Universities

APPLICATIONS AND SAMPLES

- Specially for extremely translucent, thin, low-contrast, challenging samples (e.g. living mammal cells, bacteria, tissue) with phase contrast

TECHNICAL DATA

- Optical system: Infinity
- 4-fold objective revolving unit
- Butterfly 30° inclined/ 360° rotatable
- Diopter adjustment, one-sided
- Overall dimensions W×D×H 394×185×377 mm
- Net weight approx. 6 kg

PLEASE NOTE FOR YOUR ORDER

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

PICTOGRAMS

Standard



Option



MODEL OVERVIEW

Model	Tube	Eyepiece	Objective quality	Objectives	Illumination (transmitted)
OBL 156	Trinocular	HWF 10x/ Ø 20 mm	Infinity E-Plan / Plan	4× / 100× / PH 10× / PH 40×	3 W-LED

ACCESSORIES

Model	Description
OBB-A1103	Condenser OBB-A1103 (Abbe | 1,25 | fixed)
OBB-A1157	5 W LED Fluoreszenzeinheit (B / G) OBB-A1157
OBB-A1159	Infinity E-plan objective, 10x /0,25 W.D. (2,1 mm) OBB-A1159
OBB-A1160	Infinity E-plan objective 40x /0,65 W.D. (0,58 mm) (sprung) OBB-A1160
OBB-A1165	Yellow filter OBB-A1165
OBB-A1183	Grey filter OBB-A1183
OBB-A1188	Green filter OBB-A1188
OBB-A1250	Infinity planachromatic objective 20x /0,45 W.D., (2,41 mm) (sprung) OBB-A1250
OBB-A1270	Infinity E-plan objective, plan 60x /0,8 W.D. (0,33 mm) (sprung) OBB-A1270
OBB-A1277	Polarisation unit OBB-A1277

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Model	Description
OBB-A1351	Eyepiece OBB-A1351 (Ø 23,2 mm | WF 10x | Ø 20 mm)
OBB-A1354	Eyepiece OBB-A1354 (Ø 23,2 mm | WF 16x | Ø 13 mm)
OBB-A1388	Protective dust cover OBB-A1388 (600×650 mm)
OBB-A1391	Infinity PH-Plan-objective 20x OBB-A1391
OBB-A1393	Infinity PH-Plan-objective 100x OBB-A1393
OBB-A1399	PH slider 10× OBB-A1399
OBB-A1400	PH slider 20× OBB-A1400
OBB-A1401	PH slider 40× OBB-A1401
OBB-A1402	PH slider 100× OBB-A1402
OBB-A1422	Darkfield Condenser OBB-A1422 (0,85-0,91 | fixed)
OBB-A1437	Infinity E-plan objective, plan 100x /1,15 W.D. (0,18 mm) (water) (sprung) OBB-A1437
OBB-A1448	Eyepiece OBB-A1448 (Ø 23,2 mm | HWF 10x | Ø 20 mm)
OBB-A1514	C-Mount camera adapter OBB-A1514 (1x)
OBB-A1515	C-Mount camera adapter OBB-A1515 (0,5x)
OBB-A1578	Microscope tube OBB-A1578 (Binocular, Butterfly, 30°)
OBB-A1617	Eyepiece OBB-A1617 (Ø 23,2 mm | HWF 10x | Ø 20 mm | with scale 0,1 mm)
OBB-A1618	Eyepiece OBB-A1618 (Ø 23,2 mm | HWF 10x | Ø 20 mm | with scale 0,1 mm)
OBB-A1655	Infinity planachromatic objective 2x /0,06 W.D. (7,2 mm) OBB-A1655
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
	Abbe Condenser: With high numerical aperture for the concentration and the focusing of light
	LED illumination: Cold, energy saving and especially long-life illumination
	Phase contrast unit: For a higher contrast
	Infinity system: Infinity corrected optical system
	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
	Polarising unit: To polarise the light
	Length measurement: Integrated scale in the eyepiece

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