PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN OBS 105

The school microscope – for the first steps in microscopy and for use in biology lessons

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FEATURES

- The KERN OBS range is a solid and simple school microscope range, which is easy to use due to its intuitive control elements
- The continuously dimmable guarantees optimum illumination of the samples and also ensures long service life. Mobile use is also no problem through the use of rechargeable batteries
- This model has a 1,25 Abbe condenser which is height-adjustable and can therefore be focussed and has an aperture diaphragm, which ensures the very best concentration of light
- To focus the object, the model has a coarse and fine focusing knob on both sides
- The mechanical stage enables you to work with the samples and move them rapidly
- A large selection of different eyepieces and objectives is also available

MAIN SCOPE OF APPLICATIONS

- Primary school, secondary school, training, hobby use

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
- Monocular lens barrel, 45° angled, 360° revolving
- Overall dimensions W×D×H 130×300×310 mm
- Net weight approx. 3,2 kg

PICTOGRAMS

Standard

MODEL OVERVIEW

Model	Tube	Eyepiece	Objective quality	Objectives	Illumination (transmitted)
OBS 102	Monocular	WF 10x/ Ø 18 mm	achromatic	4× / 10× / 40×	0,5 W-LED
OBS 105	Monocular	WF 10x/ Ø 18 mm	achromatic	4× / 10× / 40×	0,5 W-LED

ACCESSORIES

Model	Description
OBB-A1184	Grey filter OBB-A1184
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
OBB-A1468	Yellow filter OBB-A1468
OBB-A1474	Eyepiece OBB-A1474 (Ø 23,2 mm | WF 16x | Ø 13 mm)
OBB-A1475	Eyepiece OBB-A1475 (Ø | WF 20x | Ø 11 mm)
OBB-A1479	Achromatic objective, 60x /0,85 (sprung) W.D. (0,1 mm) OBB-A1479
OBB-A1480	Achromatic objective, 100x /1,25 (oil) (sprung) W.D. (0,07 mm) OBB-A1480
OBB-A1561	Eyepiece OBB-A1561 (Ø 23,2 mm | WF 10x | Ø 18 mm)
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)

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KERN Pictogram Overview

	360° rotatable microscope head
	Monocular Microscope: For the inspection with one eye
	Abbe Condenser: With high numerical aperture for the concentration and the focusing of light
	LED illumination: Cold, energy saving and especially long-life illumination
	Rechargeable battery pack: Rechargeable set
	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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