PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

30.10.2026

KERN OBT 103

The modern compound microscope for teaching in your class room

ENGLISH



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FEATURES

- The KERN OBT range is a high-quality school microscope, which will impress you with its intuitive control elements, sturdy construction and modern design.
- The infinitely dimmable 1W LED guarantees optimum illumination of the samples and also ensures long service life. Mobile use is also no problem through optional battery operation
- 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 accurately, 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
- A dust cover as well as user instructions are included with the delivery

MAIN SCOPE OF APPLICATIONS

- Primary school, secondary school, Training, hobby

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 195×147×325 mm
- Net weight approx. 2,8 kg

PICTOGRAMS

Standard



Option



MODEL OVERVIEW

Model	Tube	Eyepiece	Objective quality	Objectives	Illumination (transmitted)
OBT 101	Monocular	WF 10x/ Ø 18 mm	achromatic	4× / 10× / 40×	1 W-LED
OBT 102	Monocular	WF 10x/ Ø 18 mm	achromatic	4× / 10× / 40×	1 W-LED
OBT 103	Monocular	WF 10x/ Ø 18 mm	achromatic	4× / 10× / 40×	1 W-LED
OBT 104	Binocular	WF 10x/ Ø 18 mm	achromatic	4× / 10× / 40×	1 W-LED
OBT 105	Monocular	WF 10x/ Ø 18 mm	achromatic	4× / 10× / 40× / 100×	1 W-LED
OBT 106	Binocular	WF 10x/ Ø 18 mm	achromatic	4× / 10× / 40× / 100×	1 W-LED

ACCESSORIES

Model	Description
OBB-A3201	Eyepiece OBB-A3201 (Ø 23,2 mm | WF 10x | Ø 18 mm)
OBB-A3202	Eyepiece OBB-A3202 (Ø 23,2 mm | WF 10x | Ø 18 mm | with scale 0,1 mm)
OBB-A3206	Achromatic objective, 60x /0,85 (sprung) W.D. (0,4 mm) OBB-A3206
OBB-A3207	Achromatic objective, 100x /1,25 (oil) (sprung) W.D. (0,2 mm) OBB-A3207
OBB-A3209	Grey filter OBB-A3209
OBB-A3210	Green filter OBB-A3210
OBB-A3211	Yellow filter OBB-A3211
OBB-A3212	Blue filter OBB-A3212
OCS-A1101	Cleaning liquid OCS-A1101
OCS 901	Cleaning set for microscopes OCS 901
ODC 231	Microscope camera with LCD display ODC 231 (2 MP, USB 2.0, MicroSD)

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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
	Battery operation: Ready for battery operation
	Plug-in power supply: 230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available
	Length measurement: Integrated scale in the eyepiece