PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN OBT 104

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
- Diopter adjustment, one-sided
- 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)
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
	Binocular Microscope: For the inspection with both eyes
	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