



Note

Please request special conditions for a classroom set



Monocular version



Objectives OBT

EDUCATIONAL LINE

The modern compound microscope for teaching in your classroom



www.atestor.hu

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
- The simple 0.65 condenser lens with adjustable aperture diaphragm on the OBT 101 ensures the very best concentration of light and illumination of the sample. The OBT 102, 103, 104, 105, 106 models have 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, all models have a coarse and fine focusing knob on both sides. The mechanical angle table enables you to work with the samples and move them rapidly (for OBT 103, 104, 105, 106 models)
- A large selection of different eyepieces and objectives is also available
- A dust cover as well as user instructions are included with the delivery
- Please find detailed information in the following model outfit list

Scope of application

- Primary school, secondary school, training, hobby use

Applications/Samples

- Translucent, thin, high-contrast, less complex samples (e.g. plant tissue, coloured cells/parasites)

Technical data

- Finite optical system (DIN)
- Triple (OBT 101) or quadplex (OBT 102, 103, 104, 105, 106) nosepiece
- Tube 45° inclined/360° rotatable
- Diopter adjustment: Both-sided (for binocular models)
- Overall dimensions W×D×H 195×147×325 mm
- Net weight approx. 2,5 kg

STANDARD



not OBT 101

OPTION



Model	Standard configuration						Price excl. of VAT ex works €
	Tube	Eyepiece	Objective quality	Objectives	Illumination	Stage	
OBT 101	Monocular	HWF 10×/∅ 18 mm	Achromatic	4×/10×/40×	1W LED (transmitted)	fix	205,-
OBT 102	Monocular	HWF 10×/∅ 18 mm	Achromatic		1W LED (transmitted)	fix	220,-
OBT 103	Monocular	HWF 10×/∅ 18 mm	Achromatic		1W LED (transmitted)	mechanical	250,-
OBT 104	Binocular	HWF 10×/∅ 18 mm	Achromatic		1W LED (transmitted)	mechanical	330,-
OBT 105	Monocular	HWF 10×/∅ 18 mm	Achromatic	4×/10×/40×/100×	1W LED (transmitted)	mechanical	275,-
OBT 106	Binocular	HWF 10×/∅ 18 mm	Achromatic		1W LED (transmitted)	mechanical	350,-

Compound microscope KERN OBT-1

Model outfit		Model KERN						Order number	Price/piece excl. of VAT ex works €
		OBT 101	OBT 102	OBT 103	OBT 104	OBT 105	OBT 106		
Eyepieces (23,2 mm)	WF 10×/ø 18 mm	✓	✓	✓	✓✓	✓	✓✓	OBB-A3200	29,-
	WF 10×/ø 18 mm (with Pointer)	○	○	○	○	○	○	OBB-A3201	29,-
	WF 10×/ø 18 mm (reticule 0,1 mm)	○	○	○	○	○	○	OBB-A3202	29,-
Achromatic objectives	4×/0,10 W.D. 27 mm	✓	✓	✓	✓	✓	✓	OBB-A3203	25,-
	10×/0,25 W.D. 7 mm	✓	✓	✓	✓	✓	✓	OBB-A3204	29,-
	40×/0,65 (spring-loaded) W.D. 0,6 mm	✓	✓	✓	✓	✓	✓	OBB-A3205	39,-
	100×/1,25 (oil) (spring-loaded) W.D. 0,2 mm	○	○	○	○	✓	✓	OBB-A3207	59,-
	60×/0,85 (spring-loaded) W.D. 0,4 mm	○	○	○	○	○	○	OBB-A3206	49,-
Monocular tube	45° inclined/360° rotatable	✓	✓	✓	○	✓	○	OBB-A3221	
Binocular tube	<ul style="list-style-type: none"> • Siedentopf 45° inclined/360° rotatable • Interpupillary distance 48-75 mm • Diopter adjustment: One-sided 	○	○	○	✓	○	✓	OBB-A3222	
Fixed stage	<ul style="list-style-type: none"> • Stage size W×D 115×110 mm • Coaxial coarse and fine focusing knobs, scale: 2 µm 	✓	✓						
Mechanical stage	<ul style="list-style-type: none"> • Stage size W×D 115×110 mm • Travel 52×20 mm • Coaxial coarse and fine focusing knobs, scale: 2 µm • One slide holder 			✓	✓	✓	✓		
Condenser	Simple condenser N.A. 0,65	✓							
	Abbe N.A. 1,25 (aperture diaphragm)		✓	✓	✓	✓	✓		
Illumination	1 W LED spare bulb (transmitted)	✓	✓	✓	✓	✓	✓	OBB-A3208	19,-
Colour filters for transmitted illumination	Blue	○	○	○	○	○	○	OBB-A3212	19,-
	Green	○	○	○	○	○	○	OBB-A3210	19,-
	Yellow	○	○	○	○	○	○	OBB-A3211	19,-
	Grey	○	○	○	○	○	○	OBB-A3209	19,-

✓ = Included with delivery

○ = Option