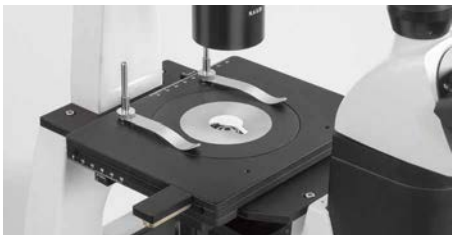
Inverted microscope KERN OCL-2





Trinocular head



Stage



Phase contrast slide



Coaxial pinion drive for x/y

Coarse and fine height adjustment

LAB LINE

The variable inverted model for the flexible user in vocational training and the laboratory

Features

- The KERN OCL is a very easy to use, robust and stable inverted microscope for all common routine applications, producing impressive images.
- These trinocular microscopes are equipped with wide field eyepieces with a large field of view, diopter adjustment and infinity corrected plan achromatic objectives as standard.
- A nosepiece for up to 5 objectives, a large, mechanically adjusted stage and a phase contrast set are also provided as standard with the microscope.
- The Abbe condenser with its aperture diaphragm and the long 72 mm working distance, together with the fine, 0,001 mm scale focus, sets standards in this micro-scope class.
- The following optional accessories are available: A variety of eyepieces, objectives for a large working distance, a fixed stage and much more.
- One of the central features of this variable and simultaneously robust series of inverted microscopes is the stable and precisely adjustable mechanism.
- This model is availabe for both, right- and lefthanded persons.

Technical data

- Eyepieces: HWF 10x20 mm
- Objectives: 10x / 20x / 40x und 20xPH
- Packing dimensions WxDxH 690x680x415 mm
- Net weight approx. 16 kg

OCL 251
- Right handed version

OCL 252
- Left handed version

Please find detailed information in the following charts.

STANDARD



OPTION



Model KERN	Standard configuration			
	Optical system	Tube	Illumination	
OCL 251	Infinity	Trinocular	6V / 20W Halogen (transmitting)	
OCL 252	Infinity	Trinocular	6V / 20W Halogen (transmitting)	

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Inverted microscope KERN OCL-2

Model outfit			Model KERN		Order number	
			OCL 251	OCL 252		
Eyepieces	HWF 10x / Ø 20 mm		●●	●●	OBB-A2403	
	WF 16x / Ø 13 mm		oo	oo	OBB-A2406	
	HWF 10x / Ø 18 mm (reticule 0,1 mm)		o	o	OBB-A2404	
	HWF 10x / Ø 20 mm (reticule 0,1 mm)		o	o	OBB-A2410	
	HWF 10x / Ø 22 mm (Only in combination with tube OBB-A2407 / OBB-A2408)		oo	oo	OBB-A2409	
Infinity Plan achromatic objectives (for long working distance)	4x / 0,13		o	o	OBB-A2413	
	10x / 0,25		●	●	OBB-A2414	
	20x / 0,40		●	●	OBB-A2415	
	40x / 0,60		●	●	OBB-A2416	
	60x / 0,70		o	o	OBB-A2417	
Binocular tube	· 30° inclined · Interpupillary distance: 52 – 75 mm · With diopter adjustment (one-sided)		o	o	OBB-A2401	
	· 30° inclined · Interpupillary distance: 52 – 75 mm · With diopter adjustment (one-sided) (Only in combination with tube OBB-A2409)		o	o	OBB-A2407	
Trinocular tube	· 30° inclined · Interpupillary distance: 52 – 75 mm · Light distribution: 80:20 · With diopter adjustment (one-sided)		●	●	OBB-A2402	
	· 30° inclined · Interpupillary distance: 52 – 75 mm · Light distribution: 80:20 · With diopter adjustment (one-sided) (Only in combination with tube OBB-A2409)		o	o	OBB-A2408	
Nosepiece	Quintuple		●	●		
Mechanical stage	· Stage size: WxD 180x155 mm, · Travel: 80x50 mm · Coaxial coarse and fine focusing knobs	Right handed v.	●			
		Left handed v.		●		
	Drop specimen holder (Ø 110)		●	●	OBB-A2425	
	Specimen holder (Clip)		●	●	OBB-A2426	
Fixed stage	Stage size: WxD 240x180 mm		o	o	OBB-A2424	
	Drop specimen holder (Ø 110)		o	o	OBB-A2425	
Condenser	Abbe N.A. 0,3 (aperture diaphragm), LWD 72 mm		●	●		
Illumination	6V / 30W Halogen (transmitting)		●	●	OBB-A2440	
Phase contrast unit	Phase contrast slide		●	●	OBB-A2432	
	Infinity plan achromatic PH-objective 10x		o	o	OBB-A2418	
	Infinity plan achromatic PH-objective 20x		●	●	OBB-A2419	
	Infinity plan achromatic PH-objective 40x		o	o	OBB-A2420	
	Centering telescope		●	●	OBB-A2405	
C-Mount	0,5x		o	o	OBB-A2437	
	1x		o	o	OBB-A2438	
	0,25x		o	o	OBB-A2439	
Filter	Filter holder		●	●	OBB-A1357	
	Blue (Ø 34 mm)		●	●	OBB-A2434	
	Green (Ø 34 mm)		●	●	OBB-A2435	
	Yellow (Ø 34 mm)		●	●	OBB-A2436	

● = Standard configuration o = Option

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KERN Pictograms:



360° rotatable microscope head



Monocular Microscope
For the inspection with one eye



Binocular Microscope
For the inspection with both eyes



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



Halogen illumination
For pictures bright and rich in contrast



LED illumination
Cold, energy saving and especially long-life illumination



Incident illumination
For non-transparent objects



Transmitting illumination
For transparent objects



Fluorescence illumination
For stereomicroscopes



Fluorescence illumination for compound microscopes
With 100 W mercury lamp and filter



Fluorescence illumination for compound microscopes
With 3 W LED illumination and filter



Phase contrast unit
For a higher contrast



Polarising unit
To polarise the light



Infinity system
Infinity corrected optical system



Zoom magnification
For stereomicroscopes



Parallel optical system
For stereomicroscopes, enables fatigue-proof working



Integrated scale
In the eyepiece



Integrated USB 2.0 digital camera
For direct transmitting of the picture to a PC



Integrated USB 3.0 digital camera
For direct transmitting of the picture to a PC



Automatic temperature compesation
For measurements between 10 °C and 30 °C



Protection against dust and water splashes IPxx
The type of protection is shown by the pictogram.



Battery operation
Ready for battery operation. The battery type is specified for each device.



Rechargeable battery pack
Rechargeable set.



Mains adapter
230V/50Hz in standard version for EU. On request GB, AUS or USA version.



Power supply
Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.



Package shipment
The time required to manufacture the product internally is shown in days in the pictogram.



Warranty
The warranty period is shown in the pictogram.

Abbreviations

C-Mount Adapter for the connection of a camera to a trinocular microscope

H(S)WF High (Super) Wide Field (Eyepiece with high eye point for wearers of glasses)

LWD Long Working Distance

N.A. Numerical Aperture

SLR Kamera Single-Lens Reflex camera

SWF Super Wide Field (Field number at least Ø 23 mm for 10x eyepiece)

W.D. Working Distance

WF Wide Field (Field number up to Ø 22 mm for 10x eyepiece)

Your KERN specialist dealer: