Inverted microscope KERN OCO-2







Stage



Camera connection and coaxial coarse and fine focusing knob

PROFESSIONAL LINE

The professional inverted model for the experienced user in the laboratory

Features

- The KERN OCO models are very easy to use, robust and stable inverted microscopes for all common routine applications, producing impressive images.
- These binocular 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 camera mount including a 0,5x C mount adapter and a phase contrast set are also provided as standard with the microscope.
- A large, mechanically adjustable or fixed stage is fitted, depending on the model.

- The Abbe condenser with its aperture diaphragm and the long 72 mm working distance, together with the fine, 0,001 mm scale focus, round off the features of this high-quality microscope.
- 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.

Technical data

- Eyepieces: WF 10x20 mm
- Objectives: 10x / 20x / 40x und 20xPH
- Connection for cameras
- Overall dimensions
 WxDxH 350x600x600 mm
- Net weight approx. 26,5 kg

Please find detailed information in the following charts.

-	STANDARD												OPTION			
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	TRINO		ABBE		HAL		INFINITY		230 V		1 DAY	WARRANTY	PH		SCALE	Ĺ

Model	Standard configuration							
KERN	Optical system	Tube	Illumination					
OCO 255	Infinity	Binocular	6V / 30W Halogen (transmitting)					
OCO 256	Infinity	Binocular	6V / 30W Halogen (transmitting)					

Inverted microscope KERN OCO-2



Model outfit		Mode	I KERN	Order number	
		OCO 255	OCO 256	-	
	HWF 10x / Ø 20 mm	••	••	OBB-A2503	
F	WF 16x / Ø 13 mm	00	00	OBB-A2507	
Eyepieces	HWF 10x / Ø 20 mm (reticule 0,1 mm)	0	0	OBB-A2410	
	HWF 10x / Ø 22 mm	00	00	OBB-A2409	
	4x/0,13	0	0	OBB-A2413	
Infinity Plan achromatic	10x / 0,25	•	•	OBB-A2414	
objectives	20x/0,40	•	•	OBB-A2415	
(for long working distance)	40x/0,60	•	•	OBB-A2416	
	60x/0,70	0	0	OBB-A2417	
Binocular tube	 45° inclined Interpupillary distance: 52 – 75 mm With diopter adjustment (one-sided) 	•	•	OBB-A2501	
	 45° inclined Interpupillary distance: 48 – 75 mm With diopter adjustment (one-sided) 	o	o	OBB-A2502	
Nosepiece	Quintuple	•	•		
Mechanical stage	 Stage size: WxD 350x208 mm Travel: 50x50 mm Coaxial coarse and fine focusing knobs 		•		
	Drop specimen holder (Ø 118)		•	OBB-A2520	
	 Stage size: WxD 240x260 mm Travel: 135x85 mm 	•			
	Drop specimen holder (Ø 118)	•		OBB-A2520	
	Specimen holder for 54 mm culture dish	•		OBB-A2522	
Fixed stage	Specimen holder for 96-hole microtitre plate	0		OBB-A2521	
	Specimen holder for 60 mm culture dish	0		OBB-A2560	
	Specimen holder for 65 mm culture dish	0		OBB-A2561	
	Specimen holder for 30 mm culture dish	0		OBB-A2562	
Condenser	Abbe N.A. 0,3 (aperture diaphragm) LWD 72 mm	•	•		
Illumination	6V / 30W Halogen (transmitting)	•	•	OBB-A2440	
	Phase contrast slide	•	•	OBB-A2432	
	Infinity plan achromatic PH-objective 10x	0	0	OBB-A2418	
Phase contrast unit	Infinity plan achromatic PH-objective 20x	•	•	OBB-A2419	
	Infinity plan achromatic PH-objective 40x	0	0	OBB-A2420	
	Centering telescope	•	•	OBB-A2506	
C Mount	0,5x	•	•	OBB-A2531	
C-Mount	0,25x	0	0	OBB-A2532	
	Filter holder	•	•	OBB-A1357	
Filter	Blue (Ø 34 mm)	•	•	OBB-A2434	
Filter	Green (Ø 34 mm)	•	•	OBB-A2435	
	Yellow (Ø 34 mm)	•	•	OBB-A2436	

Standard configuration

 \mathbf{o} = Option

KERN Pictograms:



360° rotatable microscope head



Monocular Microscope For the inspection with one eye



Binocular Microscope For the inspection with both eyes

Trinocular Microscope



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ABBE

the additional option for the connection of a camera Abbe Condenser With high numerical aperture for the

For the inspection with both eyes and



Halogen illumination For pictures bright and rich in contrast

concentration and the focusing of light



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



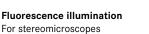
Incident illumination For non-transparent objects



Transmitting illumination For transparent objects



Fluorescence illumination





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

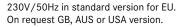
Ready for battery operation. The battery type is specified for each device.



Rechargeable battery pack Rechargeable set.



Mains adapter





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.



DAYS

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

Your KERN specialist dealer:

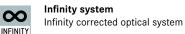
N.A.	Numerical Aperture	W.D.	Working Distance		
	Single-Lens Reflex camera	WF	Wide Field (Field number up to Ø 22 mm for 10x eyepiece)		
SWF	Super Wide Field (Field number at least Ø23 mm for 10x eyepiece)				



Polarising unit

Phase contrast unit

For a higher contrast



Fluorescence illumination

for compound microscopes

Fluorescence illumination

for compound microscopes

With 100W mercury lamp and filter

With 3W LED illumination and filter



FL-HBO

C

FL-LED

0

PH

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POLAR

Zoom magnification For stereomicroscopes



Parallel optical system For stereomicroscopes, enables fatigue-proof working

Integrated scale Lunn In the eyepiece SCALE





For direct transmitting of the picture to a PC



Integrated USB 3.0 digital camera