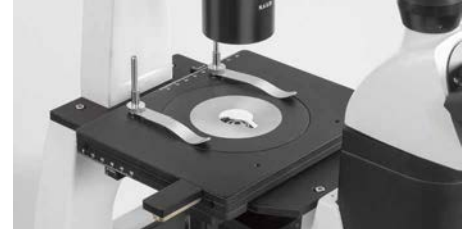




Trinocular head



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 microscope 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 available for both, right- and lefthanded persons.

Technical data

- Eyepieces: HWF 10x20 mm
- Objectives: 10x / 20x / 40x und 20xPH
- Overall dimensions WxDxH 220x510x530 mm
- Net weight approx. 13 kg

OCL 251

- Right handed version

OCL 252

- Left handed version

Please find detailed information in the following charts.

STANDARD



OPTION































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

Model outfit		Model KERN		Order number		
		OCL 251	OCL 252			
Eyepieces	HWF 10x / Ø 20 mm		●●	●●	OBB-A2403	
	WF 16x / Ø 13 mm		○○	○○	OBB-A2406	
	HWF 10x / Ø 18 mm (reticule 0,1 mm)		○	○	OBB-A2404	
	HWF 10x / Ø 20 mm (reticule 0,1 mm)		○	○	OBB-A2410	
	HWF 10x / Ø 22 mm (Only in combination with tube OBB-A2407 / OBB-A2408)		○○	○○	OBB-A2409	
Infinity Plan achromatic objectives (for long working distance)	4x / 0,13		○	○	OBB-A2413	
	10x / 0,25		●	●	OBB-A2414	
	20x / 0,40		●	●	OBB-A2415	
	40x / 0,60		●	●	OBB-A2416	
	60x / 0,70		○	○	OBB-A2417	
Binocular tube	<ul style="list-style-type: none"> • 30° inclined • Interpupillary distance: 52 – 75 mm • With diopter adjustment (one-sided) 		○	○	OBB-A2401	
	<ul style="list-style-type: none"> • 30° inclined • Interpupillary distance: 52 – 75 mm • With diopter adjustment (one-sided) • (Only in combination with tube OBB-A2409) 		○	○	OBB-A2407	
Trinocular tube	<ul style="list-style-type: none"> • 30° inclined • Interpupillary distance: 52 – 75 mm • Light distribution: 80:20 • With diopter adjustment (one-sided) 		●	●	OBB-A2402	
	<ul style="list-style-type: none"> • 30° inclined • Interpupillary distance: 52 – 75 mm • Light distribution: 80:20 • With diopter adjustment (one-sided) • (Only in combination with tube OBB-A2409) 		○	○	OBB-A2408	
Nosepiece	Quintuple		●	●		
Mechanical stage	<ul style="list-style-type: none"> • 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		○	○	OBB-A2424	
	Drop specimen holder (Ø 110)		○	○	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		○	○	OBB-A2418	
	Infinity plan achromatic PH-objective 20x		●	●	OBB-A2419	
	Infinity plan achromatic PH-objective 40x		○	○	OBB-A2420	
	Centering telescope		●	●	OBB-A2405	
C-Mount	0,5x		○	○	OBB-A2437	
	1x		○	○	OBB-A2438	
	0,25x		○	○	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

○ = Option

 360°	360° rotatable microscope head	 FL-HB0	Fluorescence illumination for compound microscopes With 100 W mercury lamp and filter	 AUTO ATC	Automatic temperature compensation For measurements between 10 °C and 30 °C
 MONO	Monocular Microscope For the inspection with one eye	 FL-LED	Fluorescence illumination for compound microscopes With 3 W LED illumination and filter	 IP	Protection against dust and water splashes IPxx The type of protection is shown by the pictogram.
 BINO	Binocular Microscope For the inspection with both eyes	 PH	Phase contrast unit For a higher contrast	 BATT	Battery operation Ready for battery operation. The battery type is specified for each device.
 TRINO	Trinocular Microscope For the inspection with both eyes and the additional option for the connection of a camera	 POLAR	Polarising unit To polarise the light	 ACCU	Rechargeable battery pack Rechargeable set.
 ABBE	Abbe Condenser With high numerical aperture for the concentration and the focusing of light	 INFINITY	Infinity system Infinity corrected optical system	 230 V	Mains adapter 230V/50Hz in standard version for EU. On request GB, AUS or USA version.
 HAL	Halogen illumination For pictures bright and rich in contrast	 ZOOM	Zoom magnification For stereomicroscopes	 230 V	Power supply Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.
 LED	LED illumination Cold, energy saving and especially long-life illumination	 PARALLEL	Parallel optical system For stereomicroscopes, enables fatigue-proof working	 DAYS	Package shipment The time required to manufacture the product internally is shown in days in the pictogram.
 IL	Incident illumination For non-transparent objects	 SCALE	Integrated scale In the eyepiece	 3 YEARS WARRANTY	Warranty The warranty period is shown in the pictogram.
 TL	Transmitting illumination For transparent objects	 USB 2.0	Integrated USB 2.0 digital camera For direct transmitting of the picture to a PC		
 FL	Fluorescence illumination For stereomicroscopes	 USB 3.0	Integrated USB 3.0 digital camera For direct transmitting of the picture to a PC		

Abbreviations

C-Mount	Adapter for the connection of a camera to a trinocular microscope	N.A.	Numerical Aperture	W.D.	Working Distance
H(S)WF	High (Super) Wide Field (Eyepiece with high eye point for wearers of glasses)	SLR Kamera	Single-Lens Reflex camera	WF	Wide Field (Field number up to Ø 22 mm for 10x eyepiece)
LWD	Long Working Distance	SWF	Super Wide Field (Field number at least Ø 23 mm for 10x eyepiece)		

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