

POLARISING MICROSCOPES



KERN Pictograms



Abbreviations

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

KERN Models A-Z

OAB-L	110-111
OBE-12 · OBE-13	
OBE-S	67
OBL-12 · OBL-13	16
OBL-14 · OBL-15	18
OBL-S · OBN-S	
OBN-13 · OBN-15	
OBN-14	
OBS-1	10
OBT-1	
OCM-1	24
ODC-2	89
ODC-82 · ODC-83 · ODC-84	86
ODC-85 · ODC-86	87
ODC-87 · ODC-88 · ODC-89	88
OIV-2	64
OIV-3	63
OIV-6	65
OKM-1	27
OKO-1	29
OLM-1	31
OLM-1 OPO-1	34
ORA	_94-100
ORL-B	107
ORM	-
OSE-4 · OZL-9 · OZM-9	
OSE-42	
OSF-4G	
OXM-9	
OZB-H	
OZB-IR	84
OZB-M	75-79
OZB-UE	
OZB-UP	
OZG-4	
OZL-44	42
OZL-45	
OZL-45R	
OZL-46	
OZL-47	
0ZL-S	
OZM-5	
OZM-9	
OZM-S · OZP-S	
OZP-5	
OZS-5	
OXM 0 (Software OXM 001, OXM 002)	00

KERN Customer Consultants

With questions about our products and services, we will be happy to advise you:

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KERN Hotlines

Technical questions about our products? You will find assistance here quickly: **+49 7433 9933-...**

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or general technical questions about your KERN product	
Optical Devices	
or all technical questions concerning our microscopes, microscope cameras,	→ 777
efractometers, etc.	
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or all technical questions concerning our high quality precision balances,	→444
analytical balances (especially with electromagnetic force-compensated	
neasuring systems, tuning fork and high application density)	
SAUTER Measuring Instruments	→555
or all technical questions concerning our SAUTER measuring instruments,	/ 555
est benches, force measuring accessories (clamps etc.), SAUTER software	
System Solutions Industry 4.0	
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and communication technology with our scales, load cells and measuring devices	
as well as questions about KERN software	

Calibration and Verification Service

for any questions concerning our calibration and verification service

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Bertrand lens, λ Slip, 360° rotatable analyser



Center-adjustable and turnable polarisation stage



"Swing-Out" condenser

Professional Line POL

The flexible and powerful polarising microscope for all professional applications with reflected and transmitted light

Features

- This device is a professional, fully-equipped polarising microscope, which uses the polarisation of light to analyse minerals, crystals and isotropic materials
- The KERN OKO 185 is a combi variant of LED incident illumination and LED transmitted illumination. A height-adjustable 0.9/0.13 Swing-out Abbe condenser which can be centred for complete Köhler illumination are part of the standard version
- A 360° revolving stage with 1° division, 6' fine division and locking function is integrated into all series as standard

- As standard all series are fitted with a complete polarising unit with scale, a Bertrand lens, a λ + 1/4 λ Slip as well as a quartz wedge
- A large selection of accessories such as, for example, a mechanical stage attachment as well as further objectives for a long working distance and filter units are also available
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery
- A C-Mount adapter is required to connect a camera. You can select this adapter from the following model outfit list
- Please find detailed information in the following model outfit list

Scope of application

 Mineralogy, texture observations, material testing, observation of crystals

Applications/Samples

More complex samples with polarising properties

Technical data

- · Infinity optical system
- Quintuple nosepiece
- Siedentopf 30° inclined
- Diopter adjustment: Both-sided
- Overall dimensions W×D×H 500×200×500 mm
- Net weight approx. 14,5 kg

STANDARD							
	Δ	Ð		$\mathbf{\infty}$	Luun		
TRINO	ABBE	LED	POLAR	INFINITY	SCALE	230 V	1 DAY

Model	Standard configuration			Price excl. of VAT		
KERN	Tube	Eyepiece	Objective quality	Objectives	Illumination	ex works €
OPO 185	Trinocular	HWF 10×/Ø 20 mm	Infinity Plan	Non-stress 4×/10×/20×/40×/50×	5W LED (incident + transmitted)	5740,-

Model outfit		Model KERN	Order number	Price/piece excl. of VAT
		OPO 185		ex works €
Eyepieces	HWF 10×/20 mm	√	OBB-A1591	95,-
(23,2 mm)	HWF 10×/20 mm (reticule 0,1 mm) (adjustable)	✓	OBB-A1592	130,-
	4×/0,10 W.D. 12,1 mm	✓	OBB-A1294	115,-
Non-stress Infinity	10×/0,25 W.D. 4,64 mm	√	OBB-A1289	220,-
Plan objectives (transmitted)	20×/0,40 (spring-loaded) W.D. 2,41 mm	√	OBB-A1290	290,-
(transmitted)	40×/0,66 (spring-loaded) W.D. 0,65 mm	√	OBB-A1292	335,-
	5×/0,13 W.D. 16,04 mm	0	OBB-A1593	110,-
Non-stress	10×/0,25 W.D. 18,48 mm	0	OBB-A1594	220,-
Infinity Plan objectives	20×/0,40 W.D. 8,35 mm	0	OBB-A1291	375,-
(incident) for long working distance	Semi apochromatic 50×/0,75 W.D. 4,25 mm	✓	OBB-A1642	480,-
0	100×/0,85 (dry) (spring-loaded) W.D. 3,00 mm	0	OBB-A1595	1260,-
Trinocular tube	 Siedentopf 30° inclined Interpupillary distance 48 - 76 mm Light distribution 100:0 	×		
Analyser unit with scale	360° rotatable, lockable	✓		
Bertrand lens	Insertable, center-adjustable	✓	OBB-A1121	330,-
λ + ¼ λ Slip	λ Slip and 1/4 λ Slip (combination)	✓	OBB-A1316	155,-
Quartz wedge	I – IV Class	√	OBB-A1321	260,-
Revolving round stage	360° rotatable, center-adjustable, division 1°, Vernier division 6'	✓		
Polarising attached mechanical stage	Polarising attached mechanical stage	0	OBB-A1337	295,-
Swing-out condenser	N.A. 0,9/0,13 swing-out achromatic condenser (aperture diaphragm)	✓	OBB-A1107	255,-
Polarising unit with scale (transmitted)	360° rotatable, lockable	✓		
Koehler illumination	5 W LED spare bulb (transmitted)			
Illumination polarising unit	5 W LED spare bulb (incident)	- ✓	OBB-A1589	90,-
	Blue	✓	OBB-A1170	25,-
Colour filters	Green	0	OBB-A1188	25,-
or transmitted Ilumination	Yellow	0	OBB-A1165	25,-
	Grey	0	OBB-A1183	25,-
	1×	0	OBB-A1514	130,-
C-Mount	0,75×	0	OBB-A1590	200,-
	0,5× (focus adjustable)	0	OBB-A1515	200,-



Cleaning sets for microscopes

Features

- This economical and fully equipped 7-piece cleaning set contains everything you need for the very best care of your microscope
- A silicon hand blower, dust brush, 60 ml of cleaning liquid, lint-free duster, optical cleaning cloths and cleaning swabs. You get all that in a high-quality KERN storage bag which you can also easily fix onto your belt
- You can use this set not only to gently clean your microscope, but also for example your camera, binoculars or all other optical surfaces

OCS 901	7-piece cleaning sets for microscopes und other optical instruments	35,-
KERN		ex works €
Model	Description	Price excl. of VAT

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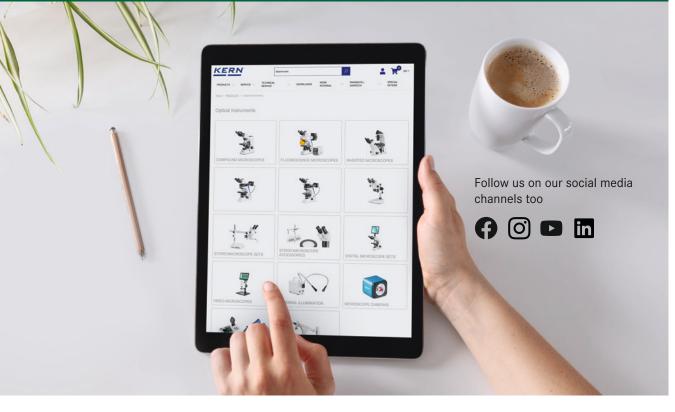
The oldest Precision Balance Factory in Germany



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