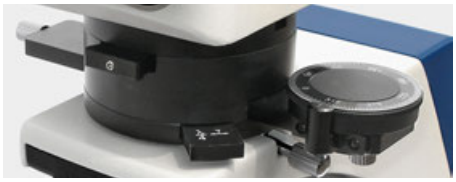
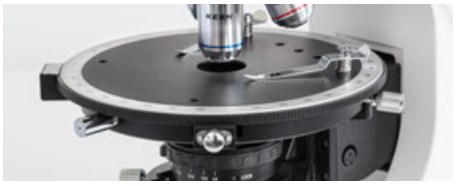


Bertrand lens, λ Slip, 360° rotatable analyser (removable)



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 + ¼ 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

Model KERN	Standard configuration					Price excl. of VAT ex works €
	Tube	Eyepiece	Objective quality	Objectives	Illumination	
OPO 185	Trinocular	HWF 10×/⌀ 20 mm	Infinity Plan	Non-stress 4×/10×/20×/40×/50×	5W LED (incident + transmitted)	**4840,–**

Model outfit		Model KERN	Order number	Price/piece excl. of VAT ex works €
		OPO 185		
Eyepieces (23,2 mm)	HWF 10×/20 mm	✓	OBB-A1591	**80,–**
	HWF 10×/20 mm (reticule 0,1 mm) (adjustable)	✓	OBB-A1592	**110,–**
Non-stress Infinity Plan objectives (transmitted)	4×/0,10 W.D. 12,1 mm	✓	OBB-A1294	**105,–**
	10×/0,25 W.D. 4,64 mm	✓	OBB-A1289	**200,–**
	20×/0,40 (spring-loaded) W.D. 2,41 mm	✓	OBB-A1290	**265,–**
	40×/0,66 (spring-loaded) W.D. 0,65 mm	✓	OBB-A1292	**310,–**
Non-stress Infinity Plan objectives (incident) for long working distance	5×/0,13 W.D. 16,04 mm	○	OBB-A1593	**95,–**
	10×/0,25 W.D. 18,48 mm	○	OBB-A1594	**190,–**
	20×/0,40 W.D. 8,35 mm	○	OBB-A1291	**345,–**
	50×/0,70 (spring-loaded) W.D. 1,95 mm	✓	OBB-A1295	**415,–**
	100×/0,85 (dry) (spring-loaded) W.D. 3,00 mm	○	OBB-A1595	**1080,–**
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	**305,–**
λ + ¼ λ Slip	λ Slip and ¼ λ Slip (combination)	✓	OBB-A1316	**140,–**
Quartz wedge	I – IV Class	✓	OBB-A1321	**240,–**
Revolving round stage	360° rotatable, center-adjustable, division 1°, Vernier division 6'	✓		
Polarising attached mechanical stage	Polarising attached mechanical stage	○	OBB-A1337	**270,–**
Swing-out condenser	N.A. 0,9/0,13 swing-out achromatic condenser (aperture diaphragm)	✓	OBB-A1107	**135,–**
Polarising unit with scale (transmitted)	360° rotatable, lockable	✓		
Koehler illumination	5 W LED spare bulb (transmitted)	✓	OBB-A1589	**75,–**
Illumination polarising unit	5 W LED spare bulb (incident)			
Colour filters for transmitted illumination	Blue	✓	OBB-A1170	**19,–**
	Green	○	OBB-A1188	**19,–**
	Yellow	○	OBB-A1165	**19,–**
	Grey	○	OBB-A1183	**19,–**
C-Mount	1×	○	OBB-A1514	**120,–**
	0,75×	○	OBB-A1590	**170,–**
	0,5× (focus adjustable)	○	OBB-A1515	**185,–**

✓ = Included with delivery ○ = Option