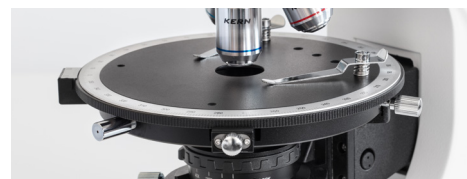


Bertrand lens,  $\lambda$  Slip, 360° rotatable analyser (removable)



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  $\lambda + \frac{1}{4} \lambda$  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	Standard configuration				
KERN	Tube	Eyepiece	Objective quality	Objectives	Illumination
OPO 185	Trinocular	HWF 10×/ø 20 mm	Infinity Plan	Non-stress 4×/10×/20×/40×/50×	5W LED (incident + transmitted)

Polarising Microscopes KERN OPO-1

Model outfit		Model KERN	Order number
		OPO 185	
<b>Eyepieces</b> (23,2 mm)	HWF 10×/20 mm	✓	OBB-A1591
	HWF 10×/20 mm (reticule 0,1 mm) (adjustable)	✓	OBB-A1592
<b>Non-stress Infinity Plan objectives</b> (transmitted)	4×/0,10 W.D. 12,1 mm	✓	OBB-A1294
	10×/0,25 W.D. 4,64 mm	✓	OBB-A1289
	20×/0,40 (spring-loaded) W.D. 2,41 mm	✓	OBB-A1290
	40×/0,66 (spring-loaded) W.D. 0,65 mm	✓	OBB-A1292
<b>Non-stress Infinity Plan objectives</b> (incident) for long working distance	5×/0,13 W.D. 16,04 mm	○	OBB-A1593
	10×/0,25 W.D. 18,48 mm	○	OBB-A1594
	20×/0,40 W.D. 8,35 mm	○	OBB-A1291
	Semi apochromatic 50×/0,75 W.D. 4,25 mm	✓	OBB-A1642
	100×/0,85 (dry) (spring-loaded) W.D. 3,00 mm	○	OBB-A1595
<b>Trinocular tube</b>	<ul style="list-style-type: none"> <li>• Siedentopf 30° inclined</li> <li>• Interpupillary distance 48 - 76 mm</li> <li>• Light distribution 100:0</li> </ul>	✓	
<b>Analyser unit with scale</b>	360° rotatable, lockable	✓	
<b>Bertrand lens</b>	Insertable, center-adjustable	✓	OBB-A1121
<b>λ + ¼ λ Slip</b>	λ Slip and ¼ λ Slip (combination)	✓	OBB-A1316
<b>Quartz wedge</b>	I - IV Class	✓	OBB-A1321
<b>Revolving round stage</b>	360° rotatable, center-adjustable, division 1°, Vernier division 6'	✓	
<b>Polarising attached mechanical stage</b>	Polarising attached mechanical stage	○	OBB-A1337
<b>Swing-out condenser</b>	N.A. 0,9/0,13 swing-out achromatic condenser (aperture diaphragm)	✓	OBB-A1107
<b>Polarising unit with scale</b> (transmitted)	360° rotatable, lockable	✓	
<b>Koehler illumination</b>	5 W LED spare bulb (transmitted)	✓	
<b>Illumination polarising unit</b>	5 W LED spare bulb (incident)	✓	OBB-A1589
<b>Colour filters</b> for transmitted illumination	Blue	✓	OBB-A1170
	Green	○	OBB-A1188
	Yellow	○	OBB-A1165
	Grey	○	OBB-A1183
<b>C-Mount</b>	1×	○	OBB-A1514
	0,75×	○	OBB-A1590
	0,5× (focus adjustable)	○	OBB-A1515

✓ = Included with delivery

○ = Option