



Stage OKO



Illumination unit

PROFESSIONAL LINE MET

The fully-equipped reflected and transmitted light microscope for numerous applications in metallurgy



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Features

- This device is a professional, versatile, metallurgical microscope, which is used in testing metals and analysing surfaces
- The KERN OKO 178 is a combi variant of LED incident illumination and LED transmitted illumination. A height-adjustable 1.25 Abbe condenser which can be centred as well as a field diaphragm for complete professional Köhler illumination are part of the standard version.
- An open, mechanical angle table is integrated as standard
- A simple polarising unit (analyser and polariser) is included with delivery
- A large selection of accessories, such as, for example, eyepieces and further objectives are available for longer working distances
- 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

- Metallurgy, material testing, quality assurance

Applications/Samples

- Opaque and thick samples, workpieces (surfaces, fold lines, coatings)

Technical data

- Infinity optical system
- Quintuple nosepiece
- Siedentopf 30° inclined/360° rotatable
- Diopter adjustment: Both-sided
- Overall dimensions W×D×H 550×200×460 mm
- Net weight basic configuration approx. 14,5 kg

STANDARD



Model	Standard configuration					Price excl. of VAT ex works €
	Tube	Eyepiece	Objective quality	Objectives	Illumination	
KERN OKO 178	Trinocular	HWF 10×/ø 22 mm	Infinity Plan	5x/10x/20x/50x	5 W LED (incident + transmitted)	2830,-

Model outfit		Model KERN	Order number	Price/piece excl. of VAT ex works €
		OKO 178		
Eyepieces (30 mm)	HWF 10×/∅ 22 mm (adjustable)	✓	OBB-A1491	90,-
	HWF 10×/∅ 22 mm (reticule 0,1 mm) (adjustable)	✓	OBB-A1523	140,-
Infinity Plan objectives for long working distance	5×/0,13 W.D. 16,04 mm	✓	OBB-A1525	125,-
	10×/0,25 W.D. 18,48 mm	✓	OBB-A1526	185,-
	20×/0,40 W.D. 8,35 mm	✓	OBB-A1527	245,-
	50×/0,70 (spring-loaded) W.D. 1,95 mm	✓	OBB-A1528	320,-
	80×/0,80 (spring-loaded) W.D. 0,85 mm	○	OBB-A1530	480,-
	100×/0,85 (dry) W.D. 3,00 mm	○	OBB-A1531	720,-
Trinocular tube	<ul style="list-style-type: none"> • Siedentopf 30° inclined/360° rotatable • Interpupillary distance 48 - 76 mm • Light distribution 100:0 	✓		
Mechanical stage for transmitted illumination	<ul style="list-style-type: none"> • Stage size W×D 182×140 mm • Travel 77×52 mm • Coaxial coarse and fine focusing knobs 	✓		
Reflected illumination unit	Polarising unit (Incl. analyser, polariser and blue filter slide)	✓		
Condenser	Abbe N.A. 1,25 (aperture diaphragm)	✓	OBB-A1380	100,-
Koehler illumination	5 W LED spare bulb (transmitted)	✓	OBB-A1589	75,-
Illumination polarising unit	5 W LED spare bulb (incident)			
Polariser	for transmitted illumination	✓	OBB-A1470	135,-
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