



Specimen stage and illumination unit



Analyser/Polariser

LAB LINE MET

The inverted metallurgical microscope for professional applications



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Features

- The KERN OLM range is part of the range of inverted microscopes and stands out through its design which is ergonomic, robust and extremely stable. This range, with its large working distance is, for example, particularly suitable for surface quality testing of raw materials and finished products in industry
- Strong and continuously adjustable 50W halogen illumination unit ensures the optimum illumination of the materials to be tested
- As standard, the OLM range is fitted with a trinocular eyepiece tube
- A simple polarising unit (analyser and polariser) is included with delivery
- A large mechanical stage is included with delivery as standard. The coarse and fine focusing knob on both sides guarantees optimal adjustment and focusing
- Further options such as, for example, a large selection of objectives can be integrated as accessories
- A dust cover as well as user instructions are included with the delivery
- 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
- Diopter adjustment: Both-sided
- Overall dimensions W×D×H 271×379×747 mm
- Net weight approx. 12,5 kg

STANDARD



Model	Standard configuration					Price excl. of VAT ex works €
	Tube	Eyepiece	Objective quality	Objectives	Illumination	
KERN						
OLM 171	Trinocular	HWF 10×/ø 22 mm	Infinity Plan	LWD5×/LWD10×/ LWD20×/LWD50×	50 W Halogen (incident)	3190,-

Model outfit		Model KERN	Order number	Price/piece excl. of VAT ex works €
		OLM 171		
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 achromatic 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"> • 30° inclined • Interpupillary distance 48-76 mm • Light distribution 100:0 • Diopter adjustment: Both-sided 	✓		
Mechanical stage	<ul style="list-style-type: none"> • Stage size W×D 210×180 mm • Travel 50×50 mm • Coaxial coarse and fine focusing knobs 	✓		
Illumination	50 W Halogen spare bulb (incident)	✓	OBB-A1207	19,-
Reflected illumination unit	Polarising unit (Incl. analyser, polariser and colour filter slide)	✓		
Colour filters for transmitted illumination	Blue	✓	OBB-A1510	19,-
	Green	○	OBB-A1511	19,-
	Yellow	○	OBB-A1512	19,-
	Grey	○	OBB-A1513	19,-
C-Mount	0,5×	○	OBB-A1515	185,-
	1×	○	OBB-A1514	120,-

✓ = Included with delivery

○ = Option