

PRODUCT BROCHURE

OPTICS OLM 171

Date: 29.04.2025

ENGLISH



The inverted metallurgical microscope for professional applications

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PRODUCT SHOWCASE



DESCRIPTION

- 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 50 W 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

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	OLM 171
Model-Serie	OLM-1
Assortment	Optics
Product Type	Microscopes
Product group	Metallurgical microscopes
Product usage type	Main article
EAN code (Model)	4045761267602
Predecessor Model	OLM 171-2022a
Customs tariff number	90118000
CE Label	yes

Technical data - Primary

Optical System	Infinity
Tube	Trinocular
Eyepiece	Eyepiece HWF 10 x / Ø 22mm with anti-fungus, high eye point
Illumination	50W Halogen (Auflicht)

Technical data - Construction

System	Inverse
Tube type	Siedentopf
Tube angle	30°
Nosepiece positions	5
Eye distance (max)	76 mm
Eye distance (min)	48 mm
Adjustable dioptré	both-sided

Focusing mechanics coaxial coarse and fine drive

Fine drive minimum 0.002 mm

Table size 210×180 mm

Table traveling distance 50×50 mm

Condenser Type Standard

Condenser mounting fixed

Dimensions (W×D×H) 747×271×379 mm

Technical data - Power supply

Power supply kind Built-in power supply

Input Voltage 100 - 240 V

Power Plug Cold device cable

Protection Class Protection class I - protective conductor

Cable attachment removable

Technical data - Environmental conditions

Storage Temp Min -5 °C

Storage Temp Max 40 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H) 660×590×325 mm

Gross weight 17 kg

Net weight 13 kg

Shipping method Parcel service

Packaging component - by weight - paper 0 g

Packaging component - by weight - cardboard 2999.81 g

Packaging component - by weight - plastics	28.224 g
Packaging component - by weight - styrofoam	999.936 g
Packaging component - by weight - foam	0 g
Delivery time	1 d

Technical data - Verification

WEEE	yes
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Technical data - Illumination

Illumination directions	Reflected light
Incident light type	Halogen
Incident light intensity	50W
Dimmable	Incident light

FUNCTIONS

Standard
       

ACCESSORIES

Model	Description
MLB-A07	Power supply KERN MLB-A07
822-903	Power supply KERN 822-903
MLB-A09	Power supply KERN MLB-A09
YKK-01	Power supply KERN YKK-01
OBB-A1207	Bulb KERN OBB-A1207
OBB-A1389	Protective Dust Cover KERN OBB-A1389
ODC 832	C-Mount Cameras – USB 3.0 KERN ODC 832
ODC 831	C-Mount Cameras – USB 3.0 KERN ODC 831

Model	Description
ODC 825	C-Mount Cameras – USB 2.0 KERN ODC 825
OBB-A1514	Microscope Camera Adapter KERN OBB-A1514
OBB-A1515	Microscope Camera Adapter KERN OBB-A1515
OBB-A1510	Microscope Filter KERN OBB-A1510
OBB-A1511	Microscope Filter KERN OBB-A1511
OBB-A1513	Microscope Filter KERN OBB-A1513
OBB-A1530	Microscope Objective KERN OBB-A1530
OBB-A1503	Bracket KERN OBB-A1503
ODC 241	Tablet Camera KERN ODC 241
ODC 841	C-Mount Camera – High-Resolution KERN ODC 841
OBB-A1623	Microscope Objective KERN OBB-A1623
OCS 901	Cleaning Sets for Microscopes KERN OCS 901
OCS-A1101	Cleaning liquid KERN OCS-A1101

SERVICES

Model	Description
970-114	Warranty extension KERN (+2 years) 970-114

SPARE PARTS

Model	Description
MLB-A07	Power supply KERN MLB-A07
822-903	Power supply KERN 822-903
MLB-A09	Power supply KERN MLB-A09
YKK-01	Power supply KERN YKK-01
OBB-A1207	Bulb KERN OBB-A1207
OBB-A1389	Protective Dust Cover KERN OBB-A1389
OBB-A1491	Microscope eyepiece KERN OBB-A1491
OBB-A1523	Microscope eyepiece KERN OBB-A1523
OBB-A1510	Microscope Filter KERN OBB-A1510
OBB-A1513	Microscope Filter KERN OBB-A1513
OBB-A1503	Bracket KERN OBB-A1503
OBB-A1509	Filter slider OBB-A1509

Model	Description
OBB-A1524	Eye cups (Pair) OBB-A1524
OBB-A1532	Object holder (clip) OBB-A1532
OBB-A1533	Polarizer slider OBB-A1533
OBB-A1534	Analyzer slider OBB-A1534
OBB-A1619	Microscope Objective KERN OBB-A1619
OBB-A1620	Microscope Objective KERN OBB-A1620
OBB-A1621	Microscope Objective KERN OBB-A1621
OBB-A1622	Microscope Objective KERN OBB-A1622

RELATED ARTICLES DATA

Model name	Optical System	Tube	Eyepiece	Standard Objectives	Objective quality	Illumination
OLM 170	Infinity	Trinocular	Eyepiece HWF 10 x / Ø 20mm with anti-fungus, high eye point	10x;20x;50x;5 x	Infinity Plan	5W LED (Auflicht)
OLM 171	Infinity	Trinocular	Eyepiece HWF 10 x / Ø 22mm with anti-fungus, high eye point	-	-	50W Halogen (Auflicht)