

PRODUCT BROCHURE

OPTICS OBL 137

Date: 29.04.2025

ENGLISH



The flexible laboratory assistant with infinity optical system and fixed, pre-centred Koehler illumination

CONTACT

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DESCRIPTION

- The OBL series stands out through its infinity optical unit and is therefore ideally suited for all demanding transmitted illumination applications. The robust and ergonomic stand base guarantees safe and comfortable working
- Strong and continuously dimmable 3W-LED illumination
- The fixed, pre-centred and focusable 1,25 Abbe condenser with aperture diaphragm and field diaphragm gives you a simplified Koehler illumination, without having to move the centre.
- The large mechanical stage and its specimen holder holds up to two samples at the same time and is quick and easy to focus using a coaxial coarse and fine focusing knob on both sides
- A large selection of eyepieces, objectives and colour filters as well as a darkfield condenser, a simple polarising unit, different phase contrast kits through to HBO and LED fluorescence units are available to you as accessories
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	OBL 137
Model-Serie	OBL-1
Assortment	Optics
Product Type	Microscopes
Product group	Transmitted light microscopes
Product usage type	Main article
EAN code (Model)	4045761267770
Predecessor Model	OBL 137-2022a
Customs tariff number	90118000
CE Label	yes

Technical data - Primary

Optical System	Infinity
Tube	Trinocular
Eyepiece	Eyepiece HWF 10 x / Ø 20mm with anti-fungus, high eye point
Illumination	3W LED (transmitted light)

Technical data - Construction

System	Upright
Tube type	Siedentopf
Tube angle	30°
Tube rotation	yes
Nosepiece positions	4
Eye distance (max)	75 mm
Eye distance (min)	50 mm
Adjustable dioptre	one-sided

Focusing mechanics	coaxial coarse and fine drive
Fine drive minimum	0.002 mm
Table size	145×130 mm
Table traveling distance	76×52 mm
Aperture diaphragm	yes
Condenser Type	Abbe
Condenser aperture	1.25
Condenser mounting	fixed
Dimensions (W×D×H)	394×185×377 mm

Technical data - Power supply

Power supply kind	Power adapter
Input Voltage	100 V - 240V AC 50/60Hz 0,3A
Protection Class	Class III - Low voltage
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)	546×383×285 mm
Gross weight	9 kg
Net weight	7 kg
Shipping method	Parcel service
Packaging component - by weight - paper	3.824 g

Packaging component - by weight - cardboard 1456.94 g

Packaging component - by weight - plastics 15.296 g

Packaging component - by weight - styrofoam 437.848 g

Packaging component - by weight - foam 0 g

Delivery time 1 d

Technical data - Verification

WEEE yes

Technical data - Illumination

Illumination directions Transmitted light

Transmitted light type LED

Transmitted light intensity 3W

Incident light type none

Dimmable Transmitted light

Koehler yes

FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
OBB-A1142	Adapter KERN OBB-A1142
OBB-A1351	Microscope eyepiece KERN OBB-A1351
OBB-A1354	Microscope eyepiece KERN OBB-A1354
OBB-A1165	Microscope Filter KERN OBB-A1165
OBB-A1183	Microscope Filter KERN OBB-A1183
OBB-A1188	Microscope Filter KERN OBB-A1188
OBB-A1250	Microscope Objective KERN OBB-A1250
OBB-A1270	Microscope Objective KERN OBB-A1270
OBB-A1390	Infinity PH-Plan-objective KERN OBB-A1390
OBB-A1391	Infinity PH-Plan-objective KERN OBB-A1391
OBB-A1392	Infinity PH-Plan-objective KERN OBB-A1392
OBB-A1393	Infinity PH-Plan-objective KERN OBB-A1393
OBB-A1277	Polarisation unit KERN OBB-A1277
OBB-A1213	Phase-Contrast Unit KERN OBB-A1213
OBB-A1215	Phase-Contrast Unit KERN OBB-A1215
OBB-A1217	Phase-Contrast Unit KERN OBB-A1217
OBB-A1219	Phase-Contrast Unit KERN OBB-A1219
OBB-A1398	Microscope condenser KERN OBB-A1398
OBB-A1399	PH Slider KERN OBB-A1399
OBB-A1400	PH Slider KERN OBB-A1400
OBB-A1401	PH Slider KERN OBB-A1401
OBB-A1402	PH Slider KERN OBB-A1402
OBB-A1149	Darkfield unit OBB-A1149
OBB-A1388	Protective Dust Cover KERN OBB-A1388
OBB-A1422	Microscope condenser KERN OBB-A1422
OBB-A1437	Microscope Objective KERN OBB-A1437
OBB-A1448	Microscope eyepiece KERN OBB-A1448
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
ODC 241	Tablet Camera KERN ODC 241
ODC 841	C-Mount Camera – High-Resolution KERN ODC 841
OBB-A1578	Microscope tube KERN OBB-A1578
OBB-A1617	Microscope eyepiece KERN OBB-A1617
OBB-A1618	Microscope eyepiece KERN OBB-A1618
ODC 851	C-Mount Camera – HDMI KERN ODC 851
OCS 901	Cleaning Sets for Microscopes KERN OCS 901
OCS-A1101	Cleaning liquid KERN OCS-A1101

SERVICES

Model	Description
970-106	Warranty extension KERN (+2 years) 970-106

SPARE PARTS

Model	Description
OBB-A1404	Microscope eyepiece KERN OBB-A1404
OBB-A1170	Microscope Filter KERN OBB-A1170
OBB-A1158	Microscope Objective KERN OBB-A1158
OBB-A1159	Microscope Objective KERN OBB-A1159
OBB-A1160	Microscope Objective KERN OBB-A1160
OBB-A1161	Microscope Objective KERN OBB-A1161
OBB-A1134	Object holder for two carriers OBB-A1134
OBB-A1388	Protective Dust Cover KERN OBB-A1388
OBB-A1444	Replacement LED module for transmitted light OBB-A1444
OBB-A1450	Eye cups (Pair) OBB-A1450
OBB-A1568	Power supply unit EURO KERN OBB-A1568
OBB-A1569	UK power supply unit KERN OBB-A1569
OBB-A1573	Microscope condenser KERN OBB-A1573
OBB-A1580	Microscope tube KERN OBB-A1580

RELATED ARTICLES DATA

Model name	Optical System	Tube	Eyepiece	Standard Objectives	Objective quality	Illumination
OBL 127	Infinity	Binocular	Eyepiece HWF 10 x / Ø 20mm with anti-fungus, high eye point	100x; 10x; 40x; 4x	Infinity E-Plan	3W LED (transmitted light)
OBL 137	Infinity	Trinocular	Eyepiece HWF 10 x / Ø 20mm with anti-fungus, high eye point	-	-	3W LED (transmitted light)