KERN **OZL 463**

The flexible, affordable all-rounder with zoom function for schools, training companies, inspection authorities and laboratories



Date of creation: 24.10.2026

Category	
Brand	Optics
Product category	Microscope
Product group	Stereo microscope
Product family	OZL-46

Construction	
Dimension (W×D×H)	300×240×420 mm
Optical system	Greenough
Tube type	Binocular
Tube angle of inclination	45°
Tube 360° rotation	✓
Contrasting methods	Bright field
Eyepieces fixed	✓
Interpupillary distance [Min]	55 mm
Interpupillary distance [Max]	75 mm
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5

Ocular	
Ocular type	Eyepiece HWF 10x / Ø 20mm High Eye Point
Ocular field width	HWF
Eye point	High Eye Point
Ocular magnifications	10x
Ocular visual field	20 mm
Ocular diameter	30 mm

Objective	
Objectives magnifications	0,7x - 4,5x

Illumination	
Illuminance	Reflected light Transmitted light
Illumination type incident light	LED
Illumination type transmitted light	LED
Illumination intensity incident light	3 W
Illumination intensity transmitted light	3 W
Illumination dimmable	Incident light + Transmitted light, separate

Focussing	
Field of view [Min]	4,4 mm
Field of view [Max]	28,6 mm
Standard total magnification [Min]	7x
Standard total magnification [Max]	45x
Zoom [Min]	0,7x
Zoom [Max]	4,5x
Sample height [Max]	140 mm
Torque regulation	✓
Working distance	105 mm
Magnification ratio	6,4:1
Focusing mechanism	coarse drive

Stereomicroscope stand	
Stand type	pillar
Diameter mounting microscope head (Ø)	76 mm

Power Supply	
Supplied power supply	Power supply unit
Power supply type	Built-in power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	AUS UK US CH
Input voltage power supply / power [Max]	100 - 240 V
Power supply cable removable	removable

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Input voltage device / power [Max]	100 - 240 V
Power socket for mains adapter	Power supply cable

Environmental conditions

Storage temperature [Min]	-5 °C
Storage temperature [Max]	40 °C

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	452×414×290 mm
Shipping method	Parcel service
Net weight approx.	4,2 kg
Gross weight approx.	7 kg
Shipping weight	10,9 kg
Shipping volume weight	10,9 kg

Product information

GTIN/EAN number	4045761175112
Trade number	90111000
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD

