KERN **OZL 456**

The practical and flexible stereo zoom microscope with integrated LED ring illumination and large zoom range



Date of creation: 24.10.2026

Category	
Brand	Optics
Product category	Microscope
Product group	Stereo microscope
Product family	OZL-45R

Construction	
Dimension (W×D×H)	320×275×420 mm
Optical system	Greenough
Tube type	Binocular
Tube angle of inclination	45°
Tube 360° rotation	✓
Contrasting methods	Bright field
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 HSWF 10x / Ø 23mm with anti-fungus, high eye point
Ocular field width	HSWF
Eye point	High Eye Point
Ocular magnifications	10x
Ocular visual field	23 mm
Ocular diameter	30 mm

Objective	
Objectives magnifications	0,75x - 5x

Illumination	
Illuminance	Reflected light Transmitted light
Illumination type incident light	LED
Illumination type transmitted light	LED
Illumination intensity incident light	1 W
Illumination intensity transmitted light	0,21 W

Focussing	
Field of view [Min]	5 mm
Field of view [Max]	33 mm
Standard total magnification [Min]	7,5x
Standard total magnification [Max]	50x
Zoom [Min]	0,75x
Zoom [Max]	5x
Sample height [Max]	45 mm
Torque regulation	✓
Working distance	113 mm
Magnification ratio	6,7:1
Focusing mechanism	coarse drive

Stereomicroscope stand	
Stand type	mechanical

Power Supply	
Supplied power supply	Power supply unit
Power supply type	Power adapter
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
Input voltage device / power [Max]	4,5 V

Environmental conditions	
Storage temperature [Min]	-5 °C

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Storage temperature [Max]	40 °C

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	490×355×325 mm
Shipping method	Parcel service
Net weight approx.	4,6 kg
Gross weight approx.	6 kg
Shipping weight	11,3 kg
Shipping volume weight	11,3 kg

Product information

GTIN/EAN number	4045761170414
Trade number	90111000
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD

