KERN **OZL 445**

The affordable and flexible stereo zoom microscope for laboratories, inspection authorities and quality controls



Date of creation: 24.10.2026

Category	
Brand	Optics
Product category	Microscope
Product group	Stereo microscope
Product family	OZL-44

Construction	
Dimension (W×D×H)	230×235×360 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 WF 10x / Ø 20mm with anti-fungus
Ocular field width	WF
Eye point	Standard
Ocular magnifications	10x
Ocular visual field	20 mm
Ocular diameter	30,5 mm

Objective	
Objectives magnifications	0,75x - 3,6x

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	0,35 W

Focussing	
Field of view [Min]	6 mm
Field of view [Max]	28 mm
Standard total magnification [Min]	7,5x
Standard total magnification [Max]	36x
Zoom [Min]	0,75x
Zoom [Max]	3,6x
Sample height [Max]	100 mm
Torque regulation	✓
Working distance	86 mm
Magnification ratio	4,8:1
Focusing mechanism	coarse drive

Stereomicroscope stand	
Stand type	pillar

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)	475×370×300 mm
Shipping method	Parcel service
Net weight approx.	4,4 kg
Gross weight approx.	6 kg
Shipping weight	10,5 kg
Shipping volume weight	10,5 kg

Product information

GTIN/EAN number	4045761170377
Trade number	90111000
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD

