

# KERN OZL 445

# KERN

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



## Category

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

## Approval

CE mark	✓
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## Construction

Dimension (W×D×H)	230×235×360 mm
Optical system	Greenough
Tube type	Binocular
Tube angle of inclination	45°
Tube 360° rotation	✓
Eyepieces fixed	✓
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5
Contrasting methods	Bright field
Interpupillary distance [Max]	75 mm
Interpupillary distance [Min]	55 mm

## Ocular

Ocular field width	WF
Eye point	Standard
Ocular magnifications	10 x
Ocular visual field	20 mm
Ocular diameter	30,5 mm

## Focussing

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

## Illumination

Illumination type incident light	LED
Illumination intensity incident light	1 W
Illumination intensity transmitted light	0,35 W
Illumination type transmitted light	LED
Illuminance	Reflected light Transmitted light

## Power Supply

Input voltage power supply / power [Max]	100 - 240 V
Input voltage device / power [Max]	4,5 V
Plug-in power supply type	Power adapter
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO
	AUS
Plug-in power supply / adapter for countries - optional	UK US CH

## Environmental conditions

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

## Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	475×370×300 mm
Net weight	4,31 kg
Shipping method	Parcel service
Net weight approx.	4,4 kg
Gross weight approx.	6 kg

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Shipping weight 10,5 kg

## Pictograms

### STANDARD

