

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

