

KERN OZL 445



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

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 10 x / Ø 20mm with anti-fungus
Ocular field width	WF
Eye point	Standard
Ocular magnifications	10 x
Ocular visual field	20 mm
Ocular diameter	30,5 mm

Objective

Objectives magnifications	0,75 x - 3,6 x
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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]	7,5 x
Standard total magnification [Max]	36 x
Zoom [Min]	0,75 x
Zoom [Max]	3,6 x
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
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Power Supply

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

Environmental conditions

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

Approval

CE mark	✓
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Packing & Shipping

Delivery time	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
Shipping weight	10,5 kg

Pictograms

STANDARD

