

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

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
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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]	7,5x
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
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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
	AUS
Plug-in power supply / adapter for countries - optional	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
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
Shipping method	Parcel service
Net weight approx.	4,4 kg
Gross weight approx.	6 kg
Shipping weight	10,5 kg

Product information

GTIN/EAN number	4045761170377
REACH classification	no prohibited substances

Pictograms

STANDARD

