KERN **OZM 542**

First-class optics and strong illumination combined with a high level of flexibility

Date of creation: 13.11.2026

Category	
Brand	Optics
Product category	Microscope
Product group	Stereo microscope
Product family	OZM-5

Construction	
Dimension (W×D×H)	330×285×440 mm
Optical system	Greenough
Tube type	Binocular
Tube angle of inclination	45°
Tube 360° rotation	✓
Contrasting methods	Bright field Darkfield (optional)
Interpupillary distance [Min]	52 mm
Interpupillary distance [Max]	76 mm
Diopter adjustment	both-sided
Diopter adjustment [Min]	-6
Diopter adjustment [Max]	6

Ocular	
Ocular type	Eyepiece HSWF 10x / Ø 23mm with anti-fungus, high eye point
Ocular field width	HSWF
Ocular magnifications	10x
Ocular visual field	23 mm
Ocular diameter	30 mm

Objective	
Objectives magnifications	0,7x - 4,5x

Illumination	
Illuminance	Reflected light Transmitted light
Illumination type incident light	LED
Illumination type transmitted light	LED
Illumination intensity incident light	3 W
Illumination intensity transmitted light	3 W
Illumination dimmable	Incident light + Transmitted light, separate

Focussing	
Field of view [Min]	5,1 mm
Field of view [Max]	32,8 mm
Standard total magnification [Min]	7x
Standard total magnification [Max]	45x
Zoom [Min]	0,7x
Zoom [Max]	4,5x
Sample height [Max]	130 mm
Torque regulation	✓
Working distance	110 mm
Magnification ratio	6,4:1
Focusing mechanism	coarse drive

Stereomicroscope stand	
Stand type	pillar
Diameter mounting microscope head (Ø)	76 mm

Power Supply	
Supplied power supply	Power supply unit
Power supply type	Built-in power supply
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

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Input voltage device / power [Max]	12 V, 2000 mA
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,5 mm, long 10 mm

Environmental conditions

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

Approval

CE mark	✓

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	330×370×400 mm
Shipping method	Parcel service
Net weight approx.	4,8 kg
Gross weight approx.	6 kg
Shipping weight	9,8 kg
Shipping volume weight	9,8 kg

Product information

GTIN/EAN number	4045761169289
Trade number	90111000
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD

OPTION