KERN **OSF 438**

The practical and robust product for schools, training centres, the workshop and laboratory

Date of creation: 13.11.2026

Category	
Brand	Optics
Product category	Microscope
Product group	Stereo microscope
Product family	OSF-43

Construction	
Dimension (W×D×H)	230×180×275 mm
Optical system	Greenough
Tube type	Binocular
Tube angle of inclination	45°
Contrasting methods	Bright field
Standard objectives	1× 2× 3×
Eyepieces fixed	✓
Interpupillary distance [Min]	55 mm
Interpupillary distance [Max]	75 mm
Diopter adjustment	one-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5

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

Objective	
Objectives magnifications	1x / 2x / 3x

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]	6,7 mm
Field of view [Max]	20 mm
Torque regulation	✓
Working distance	57 mm
Focusing mechanism	coarse drive

Stereomicroscope stand	
Stand type	mechanical

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
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
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)	340×310×225 mm
Shipping method	Parcel service
Net weight approx.	2,4 kg
Gross weight approx.	2,8 kg
Shipping weight	4,7 kg
Shipping volume weight	4,7 kg

Product information

GTIN/EAN number	4045761170100
Trade number	90111000
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD