KERN **OBE 124T241**

Our all-round compound microscope as a comprehensive digital solution for schools, training and laboratories

Date of creation: 13.11.2026

Category	
Brand	Optics
Product category	Microscope
Product group	Digital microscope set
Product family	OBE-S

Display	
Display resolution	2048×1536

Construction	
Dimension (W×D×H)	360×235×540 mm
Optical system	Finite
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Tube type	Butterfly
Light distribution	20:80
Contrasting methods	Bright field Darkfield (optional)
Standard objectives	4× 10× 40×
Lens quality	achromatic
Nosepiece screw-in locations	4
Eyepieces fixed	✓
Interpupillary distance [Min]	50 mm
Interpupillary distance [Max]	75 mm
Diopter adjustment	one-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5
Colour temperature	5500 K

Functions	
Supported operating systems	Android
Memory - total size	128 GB
Camera - Applicable software	integrated camera software (HDMI)

Interface	
Interfaces	WiFi USB 2.0 HDMI MicroSD

Ocular	
Ocular field width	HWF
Eye point	High Eye Point
Ocular magnifications	10x
Ocular visual field	18 mm
Ocular diameter	23,2 mm

Illumination	
Illuminance	Transmitted light
Illumination type transmitted light	LED
Illumination intensity transmitted light	3 W
Illumination dimmable	Transmitted light
Filter possible	✓

80000 | Mikroskoptisch	
Durchlicht möglich	✓

Focussing	
Field of view [Min]	0,18 mm
Field of view [Max]	4,5 mm
Torque regulation	✓
Fine drive minimum	0,002 mm
Focusing mechanism	coaxial coarse and fine drive

Condensor	
Condensor type	Abbe
Condenser - Mounting	fixed
Condenser - Aperture	1,25

KERN **OBE 124T241**

Our all-round compound microscope as a comprehensive digital solution for schools, training and laboratories

Aperture diaphragm	✓

Camera

Cameratype	Tablet camera
Camera - Resolution	5 MP
Camera - Sensor type	Sony CMOS
Camera - Sensor size	1/2,8"
Camera - Colour depth	Colour
Camera - Framerate	30 fps
Camera- Mounting types	C-mount thread
Camera - Exposure method	Rolling Shutter

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]	5 V, 1 A

Environmental conditions

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

Approval

CE mark	✓

Packing & Shipping

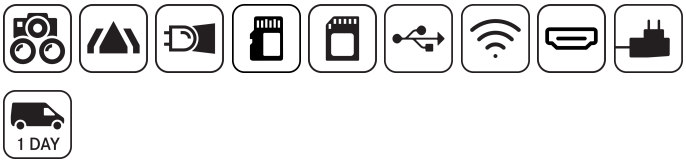
Delivery time	1 d
Dimensions packaging (W×D×H)	560×440×330 mm
Shipping method	Parcel service
Net weight approx.	6 kg
Gross weight approx.	8 kg
Shipping weight	16,3 kg
Shipping volume weight	16,3 kg

Product information

GTIN/EAN number	4045761356788
Trade number	90118000
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION