KERN **OBE 134T241**

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



Category	
Brand	Optics
Product categoriy	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	Siedentopf
Light distribution	20:80
Contrasting methods	Bright field Darkfield (optional)
Standard objectives	4× 10× 40× 100×
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	6000 K

Functions	
Camera - Applicable software	integrated
Supported operating systems	Android
Memory - total size	128 GB

Interface	
Interfaces	WiFi standard USB 2.0 HDMI MicroSD card slot

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

Illumination	
Illuminance	Transmitted light
Illumination type incident light	none
Illumination type transmitted light	LED
Illumination intensity transmitted light	3 W
Illumination dimmable	Transmitted light
Filter possible	✓

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

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

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Plug-in 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
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
Net weight	5,978 kg
Shipping method	Parcel service
Net weight approx.	6 kg
Gross weight approx.	8 kg
Shipping weight	16,3 kg

Pictograms

STANDARD



OPTION

