KERN **OBL 137T241**

The digital laboratory assistant with infinity optical unit and fixed, pre-centred Koehler illumination



Date of creation: 23.10.2026

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

Display	
Display type	LCD touch
Display type	LCD touch
Display screen size	9,7"
Display resolution	2048×1536

Construction	
Dimension (W×D×H)	394×235×600 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Tube type	Butterfly
Light distribution	20:80
Contrasting methods	Bright field Darkfield (optional) Polarisation (optional) Fluorescent (optinal) Phase contrast (optional)
Standard objectives	4× 10× 40× 100×
Lens quality	Infinity E-Plan
Nosepiece screw-in locations	4
Interpupillary distance [Min]	50 mm
Interpupillary distance [Max]	75 mm
Diopter adjustment	one-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5
C-Mount magnification	0,5x
C-Mount focusable	✓
Colour temperature	5500 K

Functions	
Supported operating systems	Android
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	20 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
Koehler illumination	✓
Filter possible	✓
Aperture diaphragm	✓
Field diaphragm	✓

80000 | Mikroskoptisch	
Bauweise	mechanical
Weg	76 mm; 52 mm
Durchlicht möglich	✓
ATTR_microscopeTableSpecimentHolders	2
ATTR_microscopeTableUser	Right-handed

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Focussing

Field of view [Min]	0,2 mm
Field of view [Max]	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
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	Built-in power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	EURO UK US CH
Input voltage power supply / power [Max]	100 - 240 V
Power supply cable removable	removable
Input voltage device / power [Max]	100 - 240 V
Power socket for mains adapter	Power supply cable

Environmental conditions

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

Packing & Shipping

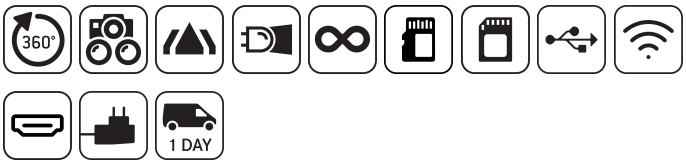
Delivery time	1 d
Dimensions packaging (W×D×H)	590×440×390 mm
Shipping method	Parcel service
Net weight approx.	8 kg
Gross weight approx.	10 kg
Shipping weight	20,2 kg
Shipping volume weight	20,2 kg

Product information

GTIN/EAN number	4045761228511
Trade number	90118000
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

