

KERN OBL 137T241

KERN

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



Category

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

Approval

CE mark	✓
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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	Siedentopf
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Lens quality	Infinity E-Plan
	4×
Standard objectives	10×
	40×
	100×
Nosepiece screw-in locations	4
Diopter adjustment	one-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5

Contrasting methods	Bright field Darkfield (optional) Polarisation (optional) Fluorescent (optional) Phase contrast (optional)
Light distribution	20:80
Interpupillary distance [Max]	75 mm
Interpupillary distance [Min]	50 mm
Camera type	Tablet camera
Camera - Sensor type	Sony CMOS
Camera - Sensor size	1/2,8"
Camera - Resolution	5 MP
C-Mount focusable	✓
C-Mount magnification	0,5 x
Camera - Colour depth	Colour
Camera - Framerate	30 fps
Camera- Mounting types	C-mount thread
Camera - Exposure method	Rolling Shutter

Ocular

Ocular field width	HWF
Eye point	High Eye Point
Ocular magnifications	10 x
Ocular visual field	20 mm
Ocular diameter	23,2 mm

Focussing

Fine drive minimum	0,002 mm
Torque regulation	✓
Field of view [Min]	0,2 mm
Field of view [Max]	5 mm
Focusing mechanism	coaxial coarse and fine drive

Illumination

Illumination type incident light	none
Illumination intensity transmitted light	3 W
Illumination type transmitted light	LED
Illuminance	Transmitted light
Illumination dimmable	Transmitted light
Field diaphragm	✓
Aperture diaphragm	✓
Koehler illumination	✓
Filter possible	✓

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Functions

Interfaces	WiFi standard USB 2.0 HDMI MicroSD card slot
Supported operating systems	Android
Camera - Applicable software	integrated

Power Supply

Input voltage power supply / power [Max]	100 - 240 V
Input voltage device / power [Max]	100 - 240 V
Plug-in power supply type	Built-in power supply
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO
	EURO
Plug-in power supply / adapter for countries - optional	UK US CH

Environmental conditions

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

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	590×440×390 mm
Net weight	7,278 kg
Shipping method	Parcel service
Net weight approx.	8 kg
Gross weight approx.	10 kg
Shipping weight	20,2 kg

Pictograms