

KERN OBN 132T24 1

KERN

The digital laboratory assistant with infinity optical unit and professional Koehler illumination



Category

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

Display

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

Construction

Dimension (W×D×H)	390×235×620 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Tube type	Siedentopf
Light distribution	0:100 80:20

Contrasting methods

	Bright field Darkfield (optional) Polarisation (optional) Fluorescent (optional) Phase contrast (optional)
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Standard objectives

	4× 10× 20× 40× 100×
Lens quality	Infinity Plan
Nosepiece screw-in locations	5

Interpupillary distance [Min]	50 mm
Interpupillary distance [Max]	75 mm
Dioptr adjustment	both-sided
Dioptr adjustment [Min]	-5
Dioptr adjustment [Max]	5
C-Mount magnification	0,5x
C-Mount focusable	✓

Functions

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

Interface

Interfaces	WiFi USB 2.0 HDMI MicroSD card slot
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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	Halogen
Illumination intensity transmitted light	20 W
Illumination dimmable	Transmitted light
Koehler illumination	✓
Filter possible	✓
Aperture diaphragm	✓
Field diaphragm	✓
Brand of light bulb	Philips

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

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Condensor

Condensor type	Abbe
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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
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

Approval

CE mark	✓
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Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	590×440×390 mm
Shipping method	Parcel service
Net weight approx.	10 kg
Gross weight approx.	13 kg
Shipping weight	20,2 kg

Product information

GTIN/EAN number	4045761228528
Trade number	90118000
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

