

KERN OBN 135C825

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



Interpupillary distance [Min]	50 mm
Colour temperature	6000 K
Cameratype	USB2 Microscope camera - C-Mount
Camera - Sensor type	CMOS
Camera - Sensor size	1/2,5"
Camera - Resolution	5,1 MP
Camera - Colour depth	Colour
Camera - Framerate	6,8 - 55 fps
Camera- Mounting types	C-mount thread
Camera - Exposure method	Rolling Shutter

Ocular	
Ocular field width	HWF
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
Field diaphragm	✓
Koehler illumination	✓
Filter possible	✓

Functions	
Interfaces	USB 2.0
Supported operating systems	Win XP
	Win Vista
	Win 7
	Win 8
Camera - Applicable software	Win 10
	external (OXM 901, OXM 902)

Category

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

Approval

CE mark	✓
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Construction

Dimension (W×D×H)	390×200×470 mm
Optical system	Infinity
Tube type	Siedentopf
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Lens quality	Infinity Plan
Standard objectives	4×
	10×
	20×
	40×
	100×
Nosepiece screw-in locations	5
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5
Contrasting methods	Bright field
	Darkfield (optional)
	Polarisation (optional)
	Fluorescent (optional)
	Phase contrast (optional)
Light distribution	100:0
Interpupillary distance [Max]	75 mm

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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
	AUS
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	10,763 kg
Shipping method	Parcel service
Net weight approx.	11 kg
Gross weight approx.	14 kg
Shipping weight	20,2 kg

Pictograms