KERN **OBN 135C825**

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



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

Construction	
Dimension (W×D×H)	390×200×470 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Tube type	Siedentopf
Light distribution	100:0
Contrasting methods	Bright field Darkfield (optional) Polarisation (optional) Fluorescent (optinal) Phase contrast (optional)
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
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5
Colour temperature	6000 K

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

Interface	
Interfaces	USB 2.0

Ocular	
Ocular field width	HWF
Ocular magnifications	10 x
Ocular visual field	20 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
Koehler illumination	✓
Filter possible	✓
Field diaphragm	✓

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

Camera	
Cameratype	USB2 Microscope camera - C-Mount
Camera - Resolution	5,1 MP
Camera - Sensor type	CMOS
Camera - Sensor size	1/2,5"
Camera - Colour depth	Colour
Camera - Framerate	6,8 - 55 fps
Camera- Mounting types	C-mount thread
Camera - Exposure method	Rolling Shutter

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Power Supply	
Supplied power supply	Power supply unit
Plug-in 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	AUS UK US CH
Input voltage power supply / power [Max]	100 - 240 V
Input voltage device / power [Max]	100 - 240 V

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)	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