KERN **OBL 137C832**

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

Category

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

Approval

CE mark	✓

Construction

Dimension (W×D×H)	394×185×450 mm
Optical system	Infinity
Tube type	Siedentopf
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Lens quality	Infinity E-Plan
Standard objectives	4× 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 (optinal) Phase contrast (optional)
Light distribution	20:80
Interpupillary distance [Max]	75 mm
Interpupillary distance [Min]	50 mm

Cameratype	USB3 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	14,2 - 101,2 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	✓
Koehler illumination	✓
Filter possible	✓

Functions

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

Power Supply

Supplied power supply	Power supply unit
Plug-in power supply type	Built-in power supply

KERN **OBL 137C832**

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

Plug-in power supply / adapter for countries - included with the delivery	EURO
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

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	590×440×390 mm
Net weight	7,068 kg
Shipping method	Parcel service
Net weight approx.	8 kg
Gross weight approx.	9 kg
Shipping weight	20,2 kg

Interface

Interfaces	USB 3.0

Pictograms