

# KERN OBL 137C825

# KERN

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



## Functions

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

## Interface

Interfaces	USB 2.0
------------	---------

## Ocular

Ocular field width	HWF
Eye point	High Eye Point
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
Illumination dimmable	Transmitted light
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

## Category

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

## Construction

Dimension (W×D×H)	394×185×450 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Tube type	Siedentopf
Light distribution	20:80

	Bright field
	Darkfield (optional)
Contrasting methods	Polarisation (optional)
	Fluorescent (optinal)
	Phase contrast (optional)

	4×
	10×
Standard objectives	40×
	100×

Lens quality	Infinity E-Plan
Nosepiece screw-in locations	4
Interpupillary distance [Min]	50 mm
Interpupillary distance [Max]	75 mm
Diopter adjustment	one-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5
Colour temperature	6000 K

# KERN OBL 137C825



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

Camera - Exposure method      Rolling Shutter

## 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
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	7,068 kg
Shipping method	Parcel service
Net weight approx.	8 kg
Gross weight approx.	9 kg
Shipping weight	20,2 kg

## Pictograms