

KERN OBL 137C825

KERN

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



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 |

Contrasting methods

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

Standard objectives

4×
10×
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 |

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 |
| 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 |

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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