

KERN OBE 134C825

Our all-round compound microscope as a comprehensive digital solution for schools, training and laboratories



Category

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

Approval

| | |
|---------|---|
| CE mark | ✓ |
|---------|---|

Construction

| | |
|---------------------------|----------------|
| Dimension (W×D×H) | 360×150×390 mm |
| Optical system | Finite |
| Tube type | Siedentopf |
| Tube type | Trinocular |
| Tube angle of inclination | 30° |
| Tube 360° rotation | ✓ |
| Lens quality | achromatic |

| | |
|---------------------|------|
| Standard objectives | 4× |
| | 10× |
| | 40× |
| | 100× |

| | |
|------------------------------|-----------|
| Nosepiece screw-in locations | 4 |
| Eyepieces fixed | ✓ |
| Diopter adjustment | one-sided |
| Diopter adjustment [Min] | -5 |
| Diopter adjustment [Max] | 5 |

| | |
|---------------------|-------------------------|
| Contrasting methods | Bright field |
| | Darkfield (optional) |
| | Polarisation (optional) |

| | |
|-------------------------------|--------|
| Light distribution | 20:80 |
| Interpupillary distance [Max] | 75 mm |
| 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 |
| Eye point | High Eye Point |
| Ocular magnifications | 10 x |
| Ocular visual field | 18 mm |
| Ocular diameter | 23,2 mm |

Focussing

| | |
|---------------------|-------------------------------|
| Fine drive minimum | 0,002 mm |
| Torque regulation | ✓ |
| Field of view [Min] | 0,18 mm |
| Field of view [Max] | 4,5 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 |
| 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) |

Power Supply

| | |
|--|-------------|
| Input voltage power supply / power [Max] | 100 - 240 V |
| Input voltage device / power [Max] | 5 V, 1 A |

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| | |
|---|-------------------|
| Plug-in power supply type | Power adapter |
| 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) | 560×440×330 mm |
| Net weight | 5,768 kg |
| Shipping method | Parcel service |
| Net weight approx. | 6 kg |
| Gross weight approx. | 8 kg |
| Shipping weight | 16,3 kg |

Pictograms

STANDARD



OPTION

