

KERN OBE 101

KERN

The fully equipped all-round compound microscope for school, training and laboratories



Category

| | |
|------------------|---------------------|
| Brand | Optics |
| Product category | Microscope |
| Product group | Compound microscope |
| Product family | OBE-10 |

Approval

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

Construction

| | |
|------------------------------|---|
| Dimension (W×D×H) | 320×180×365 mm |
| Optical system | Finite |
| Tube type | Monocular |
| Tube angle of inclination | 30° |
| Tube 360° rotation | ✓ |
| Lens quality | achromatic |
| Standard objectives | 4× 10× 40× |
| Nosepiece screw-in locations | 4 |
| Eyepieces fixed | ✓ |
| Contrasting methods | Bright field Darkfield (optional) Polarisation (optional) |
| Colour temperature | 6000 K |

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 |
| Aperture diaphragm | ✓ |
| Filter possible | ✓ |

Power Supply

| | |
|---|-----------------------|
| Input voltage power supply / power [Max] | 100 - 240 V |
| Input voltage device / power [Max] | 100 - 240 V |
| Plug-in power supply type | Built-in power supply |
| 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) | 425×340×245 mm |
| Net weight | 4,488 kg |
| Shipping method | Parcel service |
| Net weight approx. | 4,6 kg |
| Gross weight approx. | 6 kg |
| Shipping weight | 7,1 kg |

Objective

| | |
|----------------------|--|
| Objectives - Details | Objective Achromatic 10 x / 0,25 anti-fungus Objective Achromatic 4 |
|----------------------|--|

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x / 0,1 anti-fungus
Objective Achromatic 40
x / 0,65 spring, anti-
fungus

Pictograms

STANDARD



OPTION

