

KERN OBT 106

KERN

The modern compound microscope for teaching in your class room



| Category | |
|------------------|---------------------|
| Brand | Optics |
| Product category | Microscope |
| Product group | Compound microscope |
| Product family | OBT-1 |

| Construction | |
|-------------------------------|----------------|
| Dimension (W×D×H) | 195×147×325 mm |
| Optical system | Finite |
| Tube type | Binocular |
| Tube angle of inclination | 45° |
| Tube 360° rotation | ✓ |
| Contrasting methods | Bright field |
| Standard objectives | 4× |
| | 10× |
| | 40× |
| | 100× |
| Lens quality | achromatic |
| Nosepiece screw-in locations | 4 |
| Eyepieces fixed | ✓ |
| Interpupillary distance [Min] | 48 mm |
| Interpupillary distance [Max] | 75 mm |
| Diopter adjustment | one-sided |
| Diopter adjustment [Min] | -5 |
| Diopter adjustment [Max] | 5 |

| Ocular | |
|-----------------------|---------------------------|
| Ocular type | Eyepiece WF 10 x / Ø 18mm |
| Ocular field width | WF |
| Eye point | Standard |
| Ocular magnifications | 10 x |

| | |
|---------------------|---------|
| Ocular visual field | 18 mm |
| Ocular diameter | 23,2 mm |

| Objective | |
|---------------------------|---|
| Objectives - Details | Objective Achromatic 10 x / 0,25 |
| | Objective Achromatic 100 x / 1,25 oil, spring |
| | Objective Achromatic 4 x / 0,1 |
| | Objective Achromatic 40 x / 0,65 spring |
| Objectives magnifications | 4 x / 10 x / 40 x / 100 x |

| Illumination | |
|--|-------------------|
| Illuminance | Transmitted light |
| Illumination type transmitted light | LED |
| Illumination intensity transmitted light | 1 W |
| Illumination dimmable | Transmitted light |
| Filter possible | ✓ |
| Aperture diaphragm | ✓ |

| Focussing | |
|---------------------|-------------------------------|
| Field of view [Min] | 0,45 mm |
| Field of view [Max] | 4,5 mm |
| Fine drive minimum | 0,0025 mm |
| Focusing mechanism | coaxial coarse and fine drive |

| Power Supply | |
|---|--|
| Supplied power supply | Power supply & battery function (battery not included) |
| Plug-in power supply type | Power adapter |
| Plug-in power supply / adapter for countries - included with the delivery | EURO |
| Plug-in power supply / adapter for countries - optional | AUS |
| | UK |
| | US |
| | CH |
| Input voltage power supply / power [Max] | 100 - 240 V |
| Input voltage device / power [Max] | 5 V 1000 mA |
| Battery connection | Pad + Spring |

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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) | 400×280×195 mm |
| Net weight | 2,755 kg |
| Shipping method | Parcel service |
| Net weight approx. | 2,8 kg |
| Gross weight approx. | 3,4 kg |
| Shipping weight | 4,4 kg |

Pictograms

STANDARD



OPTION

