

# KERN OBE 132

# KERN

Elegant, dynamic and impressive - the new all-round compound microscope for schools, training and laboratories



## Category

|                  |                     |
|------------------|---------------------|
| Brand            | Optics              |
| Product category | Microscope          |
| Product group    | Compound microscope |
| Product family   | OBE-13              |

## Approval

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

## Construction

|                               |                         |
|-------------------------------|-------------------------|
| Dimension (W×D×H)             | 360×150×320 mm          |
| Optical system                | Finite                  |
| Tube type                     | Butterfly               |
| Tube type                     | Binocular               |
| Tube angle of inclination     | 30°                     |
| Lens quality                  | achromatic              |
| Standard objectives           | 4×                      |
|                               | 10×                     |
|                               | 40×                     |
|                               | 100×                    |
| Nosepiece screw-in locations  | 4                       |
| Diopter adjustment            | one-sided               |
| Diopter adjustment [Min]      | -5                      |
| Diopter adjustment [Max]      | 5                       |
| Contrasting methods           | Bright field            |
|                               | Darkfield (optional)    |
|                               | Polarisation (optional) |
| Interpupillary distance [Max] | 75 mm                   |
| Interpupillary distance [Min] | 48 mm                   |
| 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 V - 240 V AC 50/60 Hz 0,3 A |
| Input voltage device / power [Max]  | 5 V, 1 A                        |
| 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<br>US<br>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 |

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|                      |        |
|----------------------|--------|
| 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 100 x / 1,25 oil, spring, anti-fungus |
|                      | Objective Achromatic 4 x / 0,1 anti-fungus                 |
|                      | Objective Achromatic 40 x / 0,65 spring, anti-fungus       |

## Pictograms

### STANDARD



### OPTION

