

# KERN OBN 132

Professionalism and versatility united in one microscope – with Koehler illumination for demanding applications



Interpupillary distance [Min] 50 mm

## Ocular

|                       |                |
|-----------------------|----------------|
| Ocular field width    | HWF            |
| Eye point             | High Eye Point |
| Ocular magnifications | 10 x           |
| Ocular visual field   | 20 mm          |
| Ocular diameter       | 23,2 mm        |

## Focussing

|                     |                               |
|---------------------|-------------------------------|
| Fine drive minimum  | 0,002 mm                      |
| Torque regulation   | ✓                             |
| Field of view [Min] | 0,2 mm                        |
| Field of view [Max] | 5 mm                          |
| Focusing mechanism  | coaxial coarse and fine drive |

## Illumination

|  |                   |
|--|-------------------|
| Illumination type incident light         | none              |
| Illumination intensity transmitted light | 20 W              |
| Illumination type transmitted light      | Halogen           |
| Illuminance                              | Transmitted light |
| Illumination dimmable                    | Transmitted light |
| Field diaphragm                          | ✓                 |
| Aperture diaphragm                       | ✓                 |
| Koehler illumination                     | ✓                 |
| Filter possible                          | ✓                 |
| Brand of light bulb                      | Philips           |

## 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 |

## Category

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

## Approval

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

## Construction

|                               |  |
|-------------------------------|--|
| Dimension (W×D×H)             | 390×200×400 mm   |
| Optical system                | Infinity   |
| Tube type                     | Siedentopf   |
| Tube type                     | Trinocular   |
| Tube angle of inclination     | 30°  |
| Tube 360° rotation            | ✓  |
| Lens quality                  | Infinity Plan  |
|                               | 4×   |
|                               | 10×  |
| Standard objectives           | 20×  |
|                               | 40×  |
|                               | 100×   |
| Nosepiece screw-in locations  | 5  |
| Diopter adjustment            | both-sided   |
| Diopter adjustment [Min]      | -5   |
| Diopter adjustment [Max]      | 5  |
| Contrasting methods           | Bright field<br>Darkfield (optional)<br>Polarisation (optional)<br>Fluorescent (optional)<br>Phase contrast (optional) |
| Light distribution            | 100:0  |
| Interpupillary distance [Max] | 75 mm  |

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## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Readability force [d] (N)    | 1 d            |
| Dimensions packaging (W×D×H) | 570×410×310 mm |
| Net weight                   | 8,983 kg       |
| Shipping method              | Parcel service |
| Net weight approx.           | 9 kg           |
| Gross weight approx.         | 11 kg          |
| Shipping weight              | 14,5 kg        |

## Objective

|                      |   |
|----------------------|---|
| Objectives - Details | Objective Infinity Plan 10 x / 0,25 anti-fungus<br>Objective Infinity Plan 100 x / 1,25 oil, spring, anti-fungus<br>Objective Infinity Plan 20 x / 0,4 spring, anti-fungus<br>Objective Infinity Plan 4 x / 0,11 anti-fungus<br>Objective Infinity Plan 40 x / 0,66 spring, anti-fungus |
|----------------------|---|

## Pictograms

### STANDARD



### OPTION

