

# KERN OZL 464

# KERN

The flexible, affordable all-rounder with zoom function for schools, training companies, inspection authorities and laboratories



## Category

|                  |                   |
|------------------|-------------------|
| Brand            | Optics            |
| Product category | Microscope        |
| Product group    | Stereo microscope |
| Product family   | OZL-46            |

## Approval

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

## Construction

|                               |                |
|-------------------------------|----------------|
| Dimension (W×D×H)             | 300×240×420 mm |
| Optical system                | Greenough      |
| Tube type                     | Trinocular     |
| Tube angle of inclination     | 45°            |
| Tube 360° rotation            | ✓              |
| Eyepieces fixed               | ✓              |
| Diopter adjustment            | both-sided     |
| Diopter adjustment [Min]      | -5             |
| Diopter adjustment [Max]      | 5              |
| Contrasting methods           | Bright field   |
| Light distribution            | 100:0          |
| Interpupillary distance [Max] | 75 mm          |
| Interpupillary distance [Min] | 55 mm          |

## Ocular

|                       |                |
|-----------------------|----------------|
| Ocular field width    | HWF            |
| Eye point             | High Eye Point |
| Ocular magnifications | 10 x           |
| Ocular visual field   | 20 mm          |
| Ocular diameter       | 30 mm          |

## Focussing

|                                    |              |
|------------------------------------|--------------|
| Torque regulation                  | ✓            |
| Working distance                   | 105 mm       |
| Zoom [Min]                         | 0,7 x        |
| Zoom [Max]                         | 4,5 x        |
| Magnification ratio                | 6,4:1        |
| Field of view [Min]                | 4,4 mm       |
| Field of view [Max]                | 28,6 mm      |
| Focusing mechanism                 | coarse drive |
| Sample height [Max]                | 140 mm       |
| Standard total magnification [Min] | 7 x          |
| Standard total magnification [Max] | 45 x         |

## Illumination

|                                          |                                                    |
|------------------------------------------|----------------------------------------------------|
| Illumination type incident light         | LED                                                |
| Illumination intensity incident light    | 3 W                                                |
| Illumination intensity transmitted light | 3 W                                                |
| Illumination type transmitted light      | LED                                                |
| Illuminance                              | Reflected light<br>Transmitted light               |
| Illumination dimmable                    | Incident light +<br>Transmitted light,<br>separate |

## 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<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) | 467×410×294 mm |
| Net weight                   | 4,085 kg       |
| Shipping method              | Parcel service |

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|                      |         |
|----------------------|---------|
| Net weight approx.   | 4,2 kg  |
| Gross weight approx. | 7 kg    |
| Shipping weight      | 11,3 kg |

## Pictograms

### STANDARD

