

# KERN OZM 542

# KERN

First-class optics and strong illumination combined with a high level of flexibility



|                                    |              |
|------------------------------------|--------------|
| Zoom [Min]                         | 0,7 x        |
| Zoom [Max]                         | 4,5 x        |
| Magnification ratio                | 6,4:1        |
| Field of view [Min]                | 5,1 mm       |
| Field of view [Max]                | 32,8 mm      |
| Focusing mechanism                 | coarse drive |
| Sample height [Max]                | 130 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 |

| Power Supply  |                       |
|---|-----------------------|
| Input voltage power supply / power [Max]                                  | 110 - 220 V           |
| Input voltage device / power [Max]  | 110 - 220 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) | 385×370×330 mm |
| Net weight                   | 4,7516 kg      |
| Shipping method              | Parcel service |
| Net weight approx.           | 4,8 kg         |
| Gross weight approx.         | 6 kg           |
| Shipping weight              | 9,4 kg         |

| Category         |                   |
|------------------|-------------------|
| Brand            | Optics            |
| Product category | Microscope        |
| Product group    | Stereo microscope |
| Product family   | OZM-5             |

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

| Construction                  |                                      |
|-------------------------------|--------------------------------------|
| Dimension (W×D×H)             | 330×285×440 mm                       |
| Optical system                | Greenough                            |
| Tube type                     | Binocular                            |
| Tube angle of inclination     | 45°                                  |
| Tube 360° rotation            | ✓                                    |
| Diopter adjustment            | both-sided                           |
| Diopter adjustment [Min]      | -6                                   |
| Diopter adjustment [Max]      | 6                                    |
| Contrasting methods           | Bright field<br>Darkfield (optional) |
| Interpupillary distance [Max] | 76 mm                                |
| Interpupillary distance [Min] | 52 mm                                |

| Ocular                |       |
|-----------------------|-------|
| Ocular field width    | HSWF  |
| Ocular magnifications | 10 x  |
| Ocular visual field   | 23 mm |
| Ocular diameter       | 30 mm |

| Focussing         |        |
|-------------------|--------|
| Torque regulation | ✓      |
| Working distance  | 110 mm |

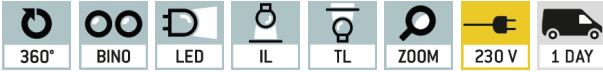
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## Pictograms

### STANDARD



### OPTION

