

# KERN OBS 115

**KERN**

The school microscope – for the first steps in microscopy and for use in biology lessons



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

| Construction                  |                  |
|-------------------------------|------------------|
| Dimension (W×D×H)             | 130×300×310 mm   |
| Optical system                | Finite           |
| Tube type                     | Monocular        |
| Tube angle of inclination     | 45°              |
| Tube 360° rotation            | ✓                |
| Contrasting methods           | Bright field     |
| Standard objectives           | 4×<br>10×<br>40× |
| Lens quality                  | achromatic       |
| Nosepiece screw-in locations  | 4                |
| Eyepieces fixed               | ✓                |
| Interpupillary distance [Min] | 55 mm            |
| Interpupillary distance [Max] | 75 mm            |

| Ocular                |  |
|-----------------------|--|
| Ocular type           | Eyepiece WF 10 x / Ø 18mm with anti-fungus |
| 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 anti-fungus<br>Objective Achromatic 4 x / 0,1 anti-fungus<br>Objective Achromatic 40 x / 0,65 spring, anti-fungus |
| Objectives magnifications | 4 x / 10 x / 40 x  |

| Illumination                             |                   |
|--|-------------------|
| Illuminance                              | Transmitted light |
| Illumination type transmitted light      | LED               |
| Illumination intensity transmitted light | 0,5 W             |
| Filter possible                          | ✓                 |
| Aperture diaphragm                       | ✓                 |

| Focussing           |                               |
|---------------------|-------------------------------|
| Field of view [Min] | 0,45 mm                       |
| Field of view [Max] | 4,5 mm                        |
| Fine drive minimum  | 0,00025 mm                    |
| Focusing mechanism  | coaxial coarse and fine drive |

| Power Supply  |                   |
|---|-------------------|
| Supplied power supply   | Power supply unit |
| 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                   | EURO<br>UK        |
| Input voltage power supply / power [Max]                                  | 100 - 240 V       |
| Input voltage device / power [Max]  | 3V, 500mA         |

| 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) | 410×280×210 mm |
| Net weight                   | 3,138 kg       |

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|                      |                |
|----------------------|----------------|
| Shipping method      | Parcel service |
| Net weight approx.   | 3,2 kg         |
| Gross weight approx. | 4,0 kg         |
| Shipping weight      | 4,8 kg         |

## Pictograms

### STANDARD

