

# KERN OPO 185

# KERN

The flexible and powerful polarising microscope for all professional applications with reflected and transmitted light



## Focussing

|                     |                               |
|---------------------|-------------------------------|
| Field of view [Max] | 5 mm                          |
| Torque regulation   | ✓                             |
| Focusing mechanism  | coaxial coarse and fine drive |

## Illumination

|                    |                                      |
|--------------------|--------------------------------------|
| Field diaphragm    | ✓                                    |
| Aperture diaphragm | ✓                                    |
| Illuminance        | Reflected light<br>Transmitted light |
| 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 plug-in power supply   | Power supply unit               |
| Plug-in power supply / adapter for countries - included with the delivery | EURO                            |
| Plug-in power supply / adapter for countries - optional                   | AUS UK US CH                    |

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Readability force [d] (N)    | 1 d            |
| Shipping method              | Parcel service |
| Dimensions packaging (W×D×H) | 520×470×430 mm |
| Net weight approx.           | 13 kg          |
| Gross weight approx.         | 16 kg          |

## Piktogramme

### STANDARD



## Category

|                  |                        |
|------------------|------------------------|
| Brand            | Optics                 |
| Product category | Microscopes            |
| Product group    | Polarizing Microscopes |

## Approval

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

## Construction

|                               |                           |
|-------------------------------|---------------------------|
| Dimension (W×D×H)             | 500×200×500 mm            |
| Optical system                | Infinity                  |
| Tube type                     | Siedentopf                |
| Tube type                     | Trinocular                |
| Tube angle of inclination     | 30°                       |
| Contrasting methods           | Bright field Polarisation |
| Light distribution            | 0:100                     |
| Diopter adjustment [Min]      | -5                        |
| Diopter adjustment [Max]      | 5                         |
| Diopter adjustment            | both-sided                |
| Interpupillary distance [Min] | 50 mm                     |
| Interpupillary distance [Max] | 75 mm                     |

## Ocular

|                           |                                 |
|---------------------------|---------------------------------|
| Ocular field width        | HWF                             |
| Ocular magnifications     | 10 x                            |
| Ocular diameter           | 30 mm                           |
| Ocular visual field       | 20 mm                           |
| Eye point                 | High Eye Point                  |
| Objectives magnifications | 4 x / 10 x / 20 x / 40 x / 50 x |