

# KERN OPO 185

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



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

| Focussing           |                               |
|---------------------|-------------------------------|
| Fine drive minimum  | 0,002 mm                      |
| Torque regulation   | ✓                             |
| Field of view [Min] | 0,4 mm                        |
| Field of view [Max] | 5 mm                          |
| Focusing mechanism  | coaxial coarse and fine drive |

| Illumination                             |  |
|--|--|
| Illumination type incident light         | LED  |
| Illumination intensity incident light    | 5 W  |
| Illumination intensity transmitted light | 5 W  |
| Illumination type transmitted light      | LED  |
| Illuminance                              | Reflected light<br>Transmitted light<br>Incident light +<br>Transmitted light,<br>separate |
| Illumination dimmable                    |  |
| Field diaphragm                          | ✓  |
| Aperture diaphragm                       | ✓  |
| Koehler illumination                     | ✓  |
| 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 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 |

## Category

|                  |                       |
|------------------|-----------------------|
| Brand            | Optics                |
| Product category | Microscope            |
| Product group    | Polarising microscope |
| Product family   | OPO-1                 |

## Zulassung

|         |   |
|---------|---|
| 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°                          |
|                               | 4×                           |
|                               | 10×                          |
| Standard objectives           | 20×                          |
|                               | 40×                          |
|                               | 50×                          |
| Nosepiece screw-in locations  | 5                            |
| Dioptr adjustment             | both-sided                   |
| Dioptr adjustment [Min]       | -5                           |
| Dioptr adjustment [Max]       | 5                            |
| Contrasting methods           | Bright field<br>Polarisation |
| Light distribution            | 0:100                        |
| Interpupillary distance [Max] | 75 mm                        |
| Interpupillary distance [Min] | 50 mm                        |

## Ocular

|                    |     |
|--------------------|-----|
| Ocular field width | HWF |
|--------------------|-----|

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## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Readability force [d] (N)    | 1 d            |
| Dimensions packaging (W×D×H) | 520×470×430 mm |
| Net weight                   | 12,5 kg        |
| Shipping method              | Parcel service |
| Net weight approx.           | 13 kg          |
| Gross weight approx.         | 16 kg          |
| Shipping weight              | 21 kg          |

## Objective

|                      |   |
|----------------------|---|
| Objectives - Details | Objective Infinity Plan 10 x / 0,25 non-stress, anti-fungus         |
|                      | Objective Infinity Plan 20 x / 0,4 spring, non-stress, anti-fungus  |
|                      | Objective Infinity Plan 4 x / 0,1 non-stress, anti-fungus           |
|                      | Objective Infinity Plan 40 x / 0,66 spring, non-stress, anti-fungus |
|                      | Objective Infinity Plan Semi Apochromatic 50 x ... non-stress, LWD  |

## Pictograms

### STANDARD

