

KERN OKO 178

KERN

The fully-equipped reflected and transmitted light microscope for numerous applications in metallurgy



Category

| | |
|------------------|--------------------------|
| Brand | Optics |
| Product category | Microscope |
| Product group | Metallurgical microscope |
| Product family | OKO-1 |

Approval

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

Construction

| | |
|-------------------------------|------------------------------|
| Dimension (W×D×H) | 550×200×460 mm |
| Optical system | Infinity |
| Tube type | Siedentopf |
| Tube type | Trinocular |
| Tube angle of inclination | 30° |
| Tube 360° rotation | ✓ |
| Lens quality | Infinity semi apochromatic |
| Standard objectives | 5× |
| | 10× |
| | 20× |
| | 50× |
| Nosepiece screw-in locations | 5 |
| Diopter adjustment | both-sided |
| Diopter adjustment [Min] | -5 |
| Diopter adjustment [Max] | 5 |
| Contrasting methods | Bright field Polarisation |
| Light distribution | 100:0 |
| Interpupillary distance [Max] | 75 mm |
| Interpupillary distance [Min] | 50 mm |

Ocular

| | |
|-----------------------|----------------|
| Ocular field width | WF |
| Eye point | High Eye Point |
| Ocular magnifications | 10 x |
| Ocular visual field | 22 mm |
| Ocular diameter | 30 mm |

Focussing

| | |
|---------------------|-------------------------------|
| Fine drive minimum | 0,002 mm |
| Torque regulation | ✓ |
| Field of view [Min] | 0,18 mm |
| Field of view [Max] | 3,6 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 Transmitted light Incident light + Transmitted light, 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 US CH |

Environmental conditions

| | |
|---------------------------|-------|
| Storage temperature [Min] | -5 °C |
| Storage temperature [Max] | 40 °C |

KERN OKO 178



The fully-equipped reflected and transmitted light microscope for numerous applications in metallurgy

Packing & Shipping

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

Objective

| | |
|----------------------|--|
| Objectives - Details | Objective Infinity Plan Semi Apochromatic 10 x ... LWD |
| | Objective Infinity Plan Semi Apochromatic 20 x ... LWD |
| | Objective Infinity Plan Semi Apochromatic 5 x /... LWD |
| | Objective Infinity Plan Semi Apochromatic 50 x ... LWD |
| | |

Pictograms

STANDARD

