# KERN **OBL 137T241**

The digital laboratory assistant with infinity optical unit and fixed, pre-centred Koehler illumination



## Category

| | |
|---|---|
| Brand | Optics |
| Product category | Microscope |
| Product group | Digital microscope set |
| Product family | OBL-S |

## Display

| | |
|---|---|
| Display type | LCD touch |
| Display type | LCD touch |
| Display screen size | 9,7" |
| Display resolution | 2048×1536 |

## Construction

| | |
|---|---|
| Dimension (W×D×H) | 394×235×600 mm |
| Optical system | Infinity |
| Tube type | Trinocular |
| Tube angle of inclination | 30° |
| Tube 360° rotation | ✓ |
| Tube type | Butterfly |
| Light distribution | 20:80 |
| Contrasting methods | Bright field<br>Darkfield (optional)<br>Polarisation (optional)<br>Fluorescent (optinal)<br>Phase contrast (optional) |
| Standard objectives | 4×<br>10×<br>40×<br>100× |
| Lens quality | Infinity E-Plan |
| Nosepiece screw-in locations | 4 |
| Interpupillary distance [Min] | 50 mm |
| Interpupillary distance [Max] | 75 mm |
| Diopter adjustment | one-sided |
| Diopter adjustment [Min] | -5 |
| Diopter adjustment [Max] | 5 |
| C-Mount magnification | 0,5x |
| C-Mount focusable | ✓ |

## Functions

| | |
|---|---|
| Camera - Applicable software | integrated camera software (HDMI) |
| Supported operating systems | Android |

## Interface

| | |
|---|---|
| Interfaces | WiFi<br>USB 2.0<br>HDMI<br>MicroSD card slot |

## Ocular

| | |
|---|---|
| Ocular field width | HWF |
| Eye point | High Eye Point |
| Ocular magnifications | 10x |
| Ocular visual field | 20 mm |
| Ocular diameter | 23,2 mm |

## Illumination

| | |
|---|---|
| Illuminance | Transmitted light |
| Illumination type transmitted light | LED |
| Illumination intensity transmitted light | 3 W |
| Illumination dimmable | Transmitted light |
| Koehler illumination | ✓ |
| Filter possible | ✓ |
| Aperture diaphragm | ✓ |
| Field diaphragm | ✓ |

## Focussing

| | |
|---|---|
| Field of view [Min] | 0,2 mm |
| Field of view [Max] | 5 mm |
| Torque regulation | ✓ |
| Fine drive minimum | 0,002 mm |
| Focusing mechanism | coaxial coarse and fine drive |

## Condensor

| | |
|---|---|
| Condensor type | Abbe |
| Condenser - Mounting | fixed |
| Condenser - Aperture | 1,25 |

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| | |
|---|---|
| Aperture diaphragm | ✓ |

## Camera

| | |
|---|---|
| Cameratype | Tablet camera |
| Camera - Resolution | 5 MP |
| Camera - Sensor type | Sony CMOS |
| Camera - Sensor size | 1/2,8" |
| Camera - Colour depth | Colour |
| Camera - Framerate | 30 fps |
| Camera- Mounting types | C-mount thread |
| Camera - Exposure method | Rolling Shutter |

## Power Supply

| | |
|---|---|
| Supplied power supply | Power supply unit |
| Power supply type | Built-in power supply |
| Plug-in power supply / adapter for countries - included with the delivery | EURO |
| Plug-in power supply / adapter for countries - optional | EURO<br>UK<br>US<br>CH |
| Input voltage power supply / power [Max] | 100 - 240 V |
| Power supply cable removable | removable |
| Input voltage device / power [Max] | 100 - 240 V |
| Power socket for mains adapter | Power supply cable |

## 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) | 590×440×390 mm |
| Shipping method | Parcel service |
| Net weight approx. | 8 kg |
| Gross weight approx. | 10 kg |
| Shipping weight | 20,2 kg |
| Shipping volume weight | 20,2 kg |

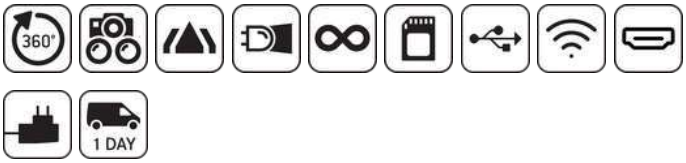
## Product information

| | |
|---|---|
| GTIN/EAN number | 4045761228511 |
| Trade number | 90118000 |

| | |
|---|---|
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD




### OPTION

