

# KERN OBE 134C825

**KERN**

Our all-round compound microscope as a comprehensive digital solution for schools, training and laboratories



## Category

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

## Construction

|                           |                                      |
|---------------------------|--------------------------------------|
| Dimension (W×D×H)         | 360×150×390 mm                       |
| Optical system            | Finite                               |
| 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) |

|                     |                          |
|---------------------|--------------------------|
| Standard objectives | 4×<br>10×<br>40×<br>100× |
|---------------------|--------------------------|

|                               |            |
|-------------------------------|------------|
| Lens quality                  | achromatic |
| Nosepiece screw-in locations  | 4          |
| Eyepieces fixed               | ✓          |
| Interpupillary distance [Min] | 50 mm      |
| Interpupillary distance [Max] | 75 mm      |
| Diopter adjustment            | one-sided  |
| Diopter adjustment [Min]      | -5         |
| Diopter adjustment [Max]      | 5          |
| Colour temperature            | 6000 K     |

## Functions

|                              |                                  |
|------------------------------|----------------------------------|
| Camera - Applicable software | Microscope VIS 2.0 Pro (OXM 902) |
|------------------------------|----------------------------------|

|                             |                                                 |
|-----------------------------|-------------------------------------------------|
| Supported operating systems | Win XP<br>Win Vista<br>Win 7<br>Win 8<br>Win 10 |
|-----------------------------|-------------------------------------------------|

## Interface

|            |         |
|------------|---------|
| Interfaces | USB 2.0 |
|------------|---------|

## Ocular

|                       |                |
|-----------------------|----------------|
| Ocular field width    | HWF            |
| Eye point             | High Eye Point |
| Ocular magnifications | 10x            |
| Ocular visual field   | 18 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 |
| Filter possible                          | ✓                 |

## Focussing

|                     |                               |
|---------------------|-------------------------------|
| Field of view [Min] | 0,18 mm                       |
| Field of view [Max] | 4,5 mm                        |
| Torque regulation   | ✓                             |
| Fine drive minimum  | 0,002 mm                      |
| Focusing mechanism  | coaxial coarse and fine drive |

## Condensor

|                |      |
|----------------|------|
| Condensor type | Abbe |
|----------------|------|

## Camera

|                          |                                  |
|--------------------------|----------------------------------|
| Cameratype               | USB2 Microscope camera - C-Mount |
| Camera - Resolution      | 5,1 MP                           |
| Camera - Sensor type     | CMOS                             |
| Camera - Sensor size     | 1/2,5"                           |
| Camera - Colour depth    | Colour                           |
| Camera - Framerate       | 6,8 - 55 fps                     |
| Camera- Mounting types   | C-mount thread                   |
| Camera - Exposure method | Rolling Shutter                  |

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## Power Supply

|                       |                   |
|-----------------------|-------------------|
| Supplied power supply | Power supply unit |
|-----------------------|-------------------|

|                   |               |
|-------------------|---------------|
| 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 | AUS |
|                                                         | UK  |
|                                                         | US  |
|                                                         | CH  |

|                                          |             |
|------------------------------------------|-------------|
| Input voltage power supply / power [Max] | 100 - 240 V |
|------------------------------------------|-------------|

|                              |           |
|------------------------------|-----------|
| Power supply cable removable | removable |
|------------------------------|-----------|

|                                    |          |
|------------------------------------|----------|
| Input voltage device / power [Max] | 5 V, 1 A |
|------------------------------------|----------|

## 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) | 560×440×330 mm |
|------------------------------|----------------|

|                 |                |
|-----------------|----------------|
| Shipping method | Parcel service |
|-----------------|----------------|

|                    |      |
|--------------------|------|
| Net weight approx. | 6 kg |
|--------------------|------|

|                      |      |
|----------------------|------|
| Gross weight approx. | 8 kg |
|----------------------|------|

|                 |         |
|-----------------|---------|
| Shipping weight | 16,3 kg |
|-----------------|---------|

## Product information

|                 |               |
|-----------------|---------------|
| GTIN/EAN number | 4045761356795 |
|-----------------|---------------|

|              |          |
|--------------|----------|
| Trade number | 90118000 |
|--------------|----------|

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

## Pictograms

### STANDARD



### OPTION

