

# KERN OBN 135

Professionalism and versatility united in one microscope – with Koehler illumination for demanding applications



## Article codes, product groups & Status information

|                        |                                 |
|------------------------|---------------------------------|
| Model article-code     | OBN 135                         |
| Model-Serie            | OBN-13                          |
| Assortment             | Microscopes & Optical Metrology |
| Product Type           | Microscopes                     |
| Product group          | Transmitted light microscopes   |
| Product usage type     | Main article                    |
| EAN code (Model)       | 4045761267787                   |
| Predecessor Model      | OBN 132; OBN 135-2.021a         |
| Successor Model        | OBN 235                         |
| Planned start date     | 2023-1HJ                        |
| Customs tariff number  | 90118000                        |
| CE Label               | Yes                             |
| Country of Origin      | CN                              |
| Selective distribution | 0                               |

## Technical data - Primary

|                     |                                                             |
|---------------------|-------------------------------------------------------------|
| Optical System      | Infinity                                                    |
| Tube                | Trinocular                                                  |
| Eyepiece            | Eyepiece HWF 10x / Ø 20 mm with anti-fungus, high eye point |
| Standard Objectives | 100x;10x;20x;40x;4x                                         |
| Objective quality   | Infinity Plan                                               |
| Illumination        | 3W LED (transmitted light)                                  |

## Technical data - Construction

|                          |                               |
|--------------------------|-------------------------------|
| System                   | Upright                       |
| Tube type                | Siedentopf                    |
| Tube angle               | 30°                           |
| Tube rotation            | Yes                           |
| Nosepiece positions      | 5                             |
| Eye distance (max)       | 75 mm                         |
| Eye distance (min)       | 50 mm                         |
| Adjustable dioptr        | Both-sided                    |
| Focusing mechanics       | Coaxial coarse and fine drive |
| Fine drive minimum       | 0,002 mm                      |
| Table traveling distance | 78 mm;55 mm                   |
| Aperture diaphragm       | Yes                           |
| Condenser Type           | Abbe                          |
| Condenser aperture       | 1,25                          |
| Condenser mounting       | Centerable                    |
| Dimensions (W×D×H)       | 390×200×395 mm                |

## Technical data - Power supply

|                   |                                                                                                          |
|-------------------|----------------------------------------------------------------------------------------------------------|
| Power supply kind | Power adapter                                                                                            |
| Input Voltage     | 100 V - 240V AC 50/60Hz 0,3A                                                                             |
| Power Plug        | Hollow plug, positive terminal on the inside, outer diameter 5.5 mm, inner diameter 2.5 mm, length 10 mm |
| Protection Class  | Class III - Low voltage                                                                                  |
| Cable attachment  | Removable                                                                                                |

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## Technical data - Environmental conditions

|                  |       |
|------------------|-------|
| Storage Temp Min | -5 °C |
| Storage Temp Max | 40 °C |

## Technical data - Packing & Shipping

|                                             |                |
|---------------------------------------------|----------------|
| Dimensions packaging (W×D×H)                | 530×370×275 mm |
| Gross weight                                | 12 kg          |
| Net weight                                  | 10 kg          |
| Shipping method                             | Parcel service |
| Packaging component - by weight - paper     | 2,017 g        |
| Packaging component - by weight - cardboard | 1.500,65 g     |
| Packaging component - by weight - plastics  | 14,119 g       |
| Packaging component - by weight - styrofoam | 500,216 g      |
| Packaging component - by weight - foam      | 0 g            |
| Delivery time                               | 1 d            |

## Technical data - Verification

|      |     |
|------|-----|
| WEEE | Yes |
|------|-----|

## Technical data - Illumination

|                             |                   |
|-----------------------------|-------------------|
| Illumination directions     | Transmitted light |
| Transmitted light type      | LED               |
| Transmitted light intensity | 3 W               |
| Koehler                     | Yes               |

## Functions

### Standard



### Option

