

# KERN OZL 464

The flexible, affordable all-rounder with zoom function for schools, training companies, inspection authorities and laboratories



## Article codes, product groups & Status information

|                       |                                 |
|-----------------------|---------------------------------|
| Model article-code    | OZL 464                         |
| Model-Serie           | OZL-46                          |
| Assortment            | Microscopes & Optical Metrology |
| Product Type          | Microscopes                     |
| Product group         | Stereo microscopes              |
| Product usage type    | Main article                    |
| EAN code (Model)      | 4045761501690                   |
| Predecessor Model     | OZL 441; OZL 464-2.025a         |
| Planned start date    | 2027K -1HJ                      |
| Customs tariff number | 90111000                        |
| CE Label              | Yes                             |
| Country of Origin     | CN                              |

## Technical data - Primary

|                |                                          |
|----------------|------------------------------------------|
| Optical System | Greenough                                |
| Tube           | Trinocular                               |
| Eyepiece       | Eyepiece HWF 10x / Ø 20mm High Eye Point |
| Objectives     | 0,7x - 4,5x                              |
| Illumination   | 3W LED (Durchlicht), 3W LED (Auflicht)   |

## Technical data - Construction

|            |         |
|------------|---------|
| System     | Upright |
| Tube angle | 45°     |

|                    |                |
|--------------------|----------------|
| Tube rotation      | Yes            |
| Stand type         | Pillar         |
| Stand area         | 290×240 mm     |
| Holder diameter    | 76 mm          |
| Eye distance (max) | 75 mm          |
| Eye distance (min) | 55 mm          |
| Adjustable dioptre | Both-sided     |
| Focusing mechanics | Coarse drive   |
| Visual field min   | 4,4 mm         |
| Visual field max   | 28,6 mm        |
| Working distance   | 105 mm         |
| Sample height max  | 140 mm         |
| Max resolution     | 0,0037 mm      |
| Dimensions (W×D×H) | 300×240×420 mm |

## Technical data - Power supply

|                   |                                           |
|-------------------|-------------------------------------------|
| Power supply kind | Built-in power supply                     |
| Input Voltage     | 100 - 240 V                               |
| Power Plug        | Cold device cable                         |
| Protection Class  | Protection class I - protective conductor |
| Cable attachment  | Removable                                 |

## Technical data - Environmental conditions

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

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

## Technical data - Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Dimensions packaging (WxDxH) | 467x410x294 mm |
|------------------------------|----------------|

|              |      |
|--------------|------|
| Gross weight | 7 kg |
|--------------|------|

|            |        |
|------------|--------|
| Net weight | 4,2 kg |
|------------|--------|

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

|                                         |     |
|-----------------------------------------|-----|
| Packaging component - by weight - paper | 0 g |
|-----------------------------------------|-----|

|                                             |            |
|---------------------------------------------|------------|
| Packaging component - by weight - cardboard | 2.023,31 g |
|---------------------------------------------|------------|

|                                            |         |
|--------------------------------------------|---------|
| Packaging component - by weight - plastics | 37,04 g |
|--------------------------------------------|---------|

|                                             |           |
|---------------------------------------------|-----------|
| Packaging component - by weight - styrofoam | 252,335 g |
|---------------------------------------------|-----------|

|                                        |     |
|----------------------------------------|-----|
| Packaging component - by weight - foam | 0 g |
|----------------------------------------|-----|

|               |     |
|---------------|-----|
| Delivery time | 1 d |
|---------------|-----|

## Technical data - Verification

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

## Technical data - Illumination

|                         |                                    |
|-------------------------|------------------------------------|
| Illumination directions | Reflected light; Transmitted light |
|-------------------------|------------------------------------|

|                        |     |
|------------------------|-----|
| Transmitted light type | LED |
|------------------------|-----|

|                             |     |
|-----------------------------|-----|
| Transmitted light intensity | 3 W |
|-----------------------------|-----|

|                     |     |
|---------------------|-----|
| Incident light type | LED |
|---------------------|-----|

|                          |     |
|--------------------------|-----|
| Incident light intensity | 3 W |
|--------------------------|-----|

|          |                                              |
|----------|----------------------------------------------|
| Dimmable | Incident light + Transmitted light, separate |
|----------|----------------------------------------------|

## Functions

### Standard

