

# KERN ADJ 100-4

Flexible analytical scales for reliable routine applications



## Article codes, product groups & Status information

|                       |                     |
|-----------------------|---------------------|
| Model article-code    | ADJ 100-4           |
| Model-Serie           | ADJ                 |
| Assortment            | Scales              |
| Product Type          | Laboratory balances |
| Product group         | Analytical balances |
| Product usage type    | Main article        |
| EAN code (Model)      | 4045761214019       |
| Planned start date    | 2019-2HJ            |
| Customs tariff number | 90160010            |
| CE Label              | Yes                 |
| Country of Origin     | CN                  |

## Technical data - Primary

|                   |            |
|-------------------|------------|
| Weighing capacity | 120 g      |
| Readability       | 0,0001 g   |
| Repeatability     | 0,0002 g   |
| Linearity         | ± 0,0004 g |

## Technical data - Construction

|                                        |                 |
|----------------------------------------|-----------------|
| Dimensions draft shield, inner (W×D×H) | 175×175×230 mm  |
| Dimensions draft shield, outer (W×D×H) | 230×310×330 mm  |
| Bubble Level                           | Yes             |
| Material weighing plate                | Stainless steel |

|                        |                |
|------------------------|----------------|
| Revolving screw feet   | Yes            |
| Casing material        | Plastic        |
| Weighing space (W×D×H) | 170×160×205 mm |

## Technical data - Display

|                |       |
|----------------|-------|
| Display height | 16 mm |
| Backlight      | Yes   |

## Technical data - Power supply

|                                |                         |
|--------------------------------|-------------------------|
| Mains adapter/adapter included | EURO;UK;US              |
| Input Voltage                  | 100-265V; 50-60Hz; 2,0A |
| Mains adapter                  | Power supply unit       |
| Interfaces                     | RS-232 standard         |

## Technical data - Measuring system

|                                                |                                  |
|------------------------------------------------|----------------------------------|
| Calibration method                             | Internal calibration (automatic) |
| Linearity                                      | ± 0,0004 g                       |
| Minimum weight (USP)                           | 400 mg                           |
| Readability                                    | 0,0001 g                         |
| Recommended adjusting weight                   | 120 g (E2)                       |
| Repeatability                                  | 0,0002 g                         |
| Stabilisation time under laboratory conditions | 4 s                              |
| Tare range                                     | 120 g                            |
| Warm up time                                   | 8 h                              |
| Weighing system                                | Force compensation               |
| Weighing units                                 | %;ct;g;lb;oz;PCS                 |

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|                      |          |
|----------------------|----------|
| Carat - max capacity | 600 ct   |
| Carat - readout      | 0,001 ct |

## Technical data - Environmental conditions

|                               |       |
|-------------------------------|-------|
| Maximum humidity              | 85 %  |
| Maximum operating temperature | 30 °C |
| Minimum ambient temperature   | 10 °C |
| Minimum humidity              | 20 %  |

## Technical data - Packing & Shipping

|                                             |                |
|---------------------------------------------|----------------|
| Dimensions packaging (W×D×H)                | 375×524×412 mm |
| Gross weight                                | 8 kg           |
| Net weight                                  | 5,0 kg         |
| Shipping method                             | Parcel service |
| Packaging component - by weight - paper     | 165 g          |
| Packaging component - by weight - cardboard | 1.911 g        |
| Packaging component - by weight - plastics  | 29 g           |
| Packaging component - by weight - wood      | 0 g            |
| Packaging component - by weight - foam      | 100 g          |
| Delivery time                               | 1 d            |

## Technical data - Counting data

|                                                     |         |
|-----------------------------------------------------|---------|
| Counting resolution                                 | 120.000 |
| Minimum piece weight at piece counting (Laboratory) | 1 mg    |

|                      |       |
|----------------------|-------|
| Minimum piece weight | 10 mg |
|----------------------|-------|

## Optional Services

|                   |         |
|-------------------|---------|
| DAkkS Calibration | 963-101 |
|-------------------|---------|

## Functions

### Standard



### Option

DAkkS