

# KERN ECE 50K-2N

Plain, mobile, uncomplicated

# KERN



## Category

|                  |                  |
|------------------|------------------|
| Brand            | KERN             |
| Product category | Industrial scale |
| Product group    | Bench scale      |
| Product family   | ECE              |

## Measuring System

|                                |                                |
|--------------------------------|--------------------------------|
| Construction type of the scale | Single-range balance           |
| Weighing system                | Strain gauge                   |
| Weighing capacity [Max]        | 50 kg                          |
| Readability [d]                | 0,02 kg                        |
| Reproducibility                | 0,02 kg                        |
| Linearity                      | ± 0,08 kg                      |
| Resolution                     | 2.500                          |
| Tare range                     | 50 kg                          |
| Adjustment options             | Adjusting with external weight |
| Recommended adjusting weight   | 20 kg (M3)                     |
| Possible calibration points    | 20 kg                          |
| Stabilization time             | 2 s                            |
| Warm-up time                   | 10 min                         |
| Eccentric loading at 1/3 [Max] | 0,6 kg                         |
| Maximum creep (15 minutes)     | 40 g                           |
| Maximum creep (30 minutes)     | 80 g                           |
| Default unit                   | kg                             |
| Units                          | kg                             |

## Display

|                      |           |
|----------------------|-----------|
| Display type         | LCD       |
| Display backlight    | no        |
| Display screen size  | 100×25 mm |
| Display digit height | 21 mm     |

## Construction

|                           |               |
|---------------------------|---------------|
| Dimension housing (W×D×H) | 320×300×60 mm |
|---------------------------|---------------|

|                                      |               |
|--------------------------------------|---------------|
| Dimensions weighing surface (W×D)    | 320×260 mm    |
| Dimensions weighing surface          | 320×260 mm    |
| Dimensions weighing platform (W×D×H) | 320×260×60 mm |
| Material housing                     | plastic       |
| Material weighing plate              | plastic       |
| Material display housing             | Plastics      |

## Functions

|                                          |                |
|------------------------------------------|----------------|
| Underfloor weighing                      | None           |
| IP protection - complete device          | -              |
| Auto-off interval(s) in mains power mode | 3 min          |
| Tare function                            | manual (multi) |
| Number of keys for operation             | 2              |

## Power Supply

|                                                         |                                  |
|---------------------------------------------------------|----------------------------------|
| Supplied power supply                                   | Battery                          |
| Plug-in power supply type                               | Power adapter                    |
| Plug-in power supply / adapter for countries - optional | EURO<br>UK<br>US<br>CH           |
| Input voltage power supply / power [Max]                | 220 V - 240 V AC, 50 Hz          |
| Input voltage device / power [Max]                      | 9 V, 300 mA                      |
| Battery / accumulator type                              | Alkali(-Manganese)               |
| Battery                                                 | 6×1.5 V AA                       |
| Battery connection                                      | Pad + Spring                     |
| Battery operating time                                  | 100 h                            |
| Battery voltage                                         | 9 V                              |
| Rechargeable battery                                    | PCB-A01                          |
| Rechargeable battery operating time - backlight on      | 30 h                             |
| Rechargeable battery operating time - backlight off     | 30 h                             |
| Rechargeable battery charging time                      | 10 h                             |
| Rechargeable battery optional                           | Rchrg. battery optional - intern |

## Environmental conditions

|                               |        |
|-------------------------------|--------|
| Ambient temperature [Min]     | 5 °C   |
| Ambient temperature [Max]     | 35 °C  |
| Humidity of environment [Max] | 80 %   |
| Storage temperature [Min]     | -20 °C |
| Storage temperature [Max]     | 60 °C  |

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## Approval

CE mark ✓

## Services (optional)

Article number for adjustment at the location of installation 961-248

Article number for DAkkS calibration 963-128

Article number for certificate of conformity 969-517

## Packing & Shipping

Delivery time 1 d

Dimensions packaging (W×D×H) 370×330×100 mm

Shipping method Parcel service

Net weight approx. 1,6 kg

Gross weight approx. 2,6 kg

Shipping weight 2,5 kg

## Pictograms

### STANDARD



### OPTION

