

# KERN EFC 100K-3

**KERN**

Platform scale with integrated rechargeable battery pack, a bright LED display and a column for greatest ease of use



**Date of creation: 22.06.2026**

| Category         |                  |
|------------------|------------------|
| Brand            | KERN             |
| Product category | Industrial scale |
| Product group    | Platform scale   |
| Product family   | EFC              |

  

| Measuring System               |                                                    |
|--------------------------------|----------------------------------------------------|
| Weighing system                | Strain gauge                                       |
| Weighing capacity [Max]        | 150 kg                                             |
| Readability [d]                | 0,01 kg                                            |
| Reproducibility                | 0,01 kg                                            |
| Linearity                      | ± 0,03 kg                                          |
| Resolution                     | 15.000                                             |
| Adjustment options             | Adjusting with external weight                     |
| Recommended adjusting weight   | 150 kg (F2)                                        |
| Possible calibration points    | 15 kg; 30 kg; 50 kg; 75 kg; 100 kg; 125 kg; 150 kg |
| Stabilization time             | 2 s                                                |
| Eccentric loading at 1/3 [Max] | 0,05 kg                                            |
| Construction type of the scale | Single-range balance                               |
| Units                          | kg<br>lb<br>PCS                                    |
| Load cell connection           | 4-wire                                             |
| Maximum creep (15 minutes)     | 40 g                                               |
| Maximum creep (30 minutes)     | 80 g                                               |
| Default unit                   | kg                                                 |
| Loadcell type                  | aluminium IP65 silicone-coated                     |

| Display                               |                 |
|---------------------------------------|-----------------|
| Display type                          | LED segments    |
| Display type                          | LED segments    |
| Display backlight                     | no              |
| Display screen size                   | 165×64 mm       |
| Display segments                      | 6               |
| Display digit height - smallest digit | 52 mm           |
| Display digit height                  | 52 mm           |
| Languages of the user interface       | Symbol language |

| Construction                         |                  |
|--------------------------------------|------------------|
| Dimension display device (W×D×H)     | 252×162×57 mm    |
| Dimensions weighing surface (W×D)    | 500×400 mm       |
| Dimensions weighing surface          | 500×400 mm       |
| Dimensions weighing platform (W×D×H) | 500×400×120 mm   |
| Material housing                     | plastic          |
| Material weighing plate              | stainless steel  |
| Material platform                    | steel, lacquered |
| Material display housing             | plastic          |
| Material load cell(s)                | aluminium        |
| Level indicator                      | ✓                |
| Levelling feet adjustable            | ✓                |
| Stand height                         | 600 mm           |
| Stand rotatable                      | ✓                |
| Stand inclinable                     | ✓                |
| Display device cable length          | 3 m              |
| Load cells - number                  | 1                |

| Functions                                                         |                        |
|-------------------------------------------------------------------|------------------------|
| Sum memory function                                               | ✓                      |
| Recipe/summing level                                              | Sum A                  |
| Tolerance weighing                                                | ✓                      |
| Tolerance weighing - type of signal                               | acoustically<br>visual |
| Function for averaging under unstable weighing conditions         | ✓                      |
| Standby function                                                  | ✓                      |
| Counting function                                                 | ✓                      |
| Counting resolution (laboratory conditions)                       | 30.000                 |
| Counting reference weight can be entered                          | ✓                      |
| Smallest piece weight when piece counting - laboratory conditions | 5 g                    |
| Smallest piece weight when piece counting - normal conditions     | 50 g                   |

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|                              |                          |
|------------------------------|--------------------------|
| Reference quantity           | n (any number of pieces) |
| IP protection - display      | no IP protection         |
| Tare function                | manual (single & multi)  |
| Number of keys for operation | 7                        |

## Interface

|            |                 |
|------------|-----------------|
| Interfaces | RS-232 standard |
|------------|-----------------|

## Power Supply

|                                                                           |                                                                                    |
|---------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Supplied power supply                                                     | Accu & Power supply                                                                |
| Power supply type                                                         | Power adapter                                                                      |
| Plug-in power supply / adapter for countries - included with the delivery | EURO<br>UK                                                                         |
| Plug-in power supply / adapter for countries - optional                   | EURO<br>UK                                                                         |
| Input voltage power supply / power [Max]                                  | 100 - 240 V 50/60 Hz<br>0.5 A                                                      |
| Input voltage device / power [Max]                                        | 5 V, 1 A                                                                           |
| Power socket for mains adapter                                            | Hollow plug, inside plus,<br>Ø outside 5,5 mm, Ø<br>inside 2,1 mm, long 10,5<br>mm |
| Battery / accumulator type                                                | Li-Ion                                                                             |
| Battery capacity                                                          | 4.000 mAh                                                                          |
| Battery voltage                                                           | 3,7 V                                                                              |
| Battery - Individual weight                                               | 93 g                                                                               |
| Battery capacity (Wh)                                                     | 14,8 Wh                                                                            |
| Battery - Tests passed UN 38.3                                            | ✓                                                                                  |
| Rechargeable battery operating time - backlight on                        | 30 h                                                                               |
| Rechargeable battery operating time - backlight off                       | 50 h                                                                               |
| Battery/Accu connected                                                    | fixed electrical<br>connection, no leakage<br>current (insulated)                  |

## Environmental conditions

|                               |       |
|-------------------------------|-------|
| Ambient temperature [Min]     | 0 °C  |
| Ambient temperature [Max]     | 40 °C |
| Humidity of environment [Min] | 0 %   |
| Humidity of environment [Max] | 80 %  |

## Approval

|         |   |
|---------|---|
| CE mark | ✓ |
|---------|---|

## Services (optional)

|                                                               |         |
|---------------------------------------------------------------|---------|
| Article number for adjustment at the location of installation | 961-249 |
| Article number for DAkkS calibration                          | 963-129 |
| Article number for certificate of conformity                  | 969-517 |

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 940×550×210 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 11 kg          |
| Gross weight approx.         | 13 kg          |
| Shipping weight              | 21,7 kg        |
| Shipping volume weight       | 21,7 kg        |

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761252622            |
| Trade number         | 84238220                 |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD



### OPTION

