

# KERN FPE 30K-3

**KERN**

Entry-level bench scale with stainless steel weighing plate and checkweighing function



## Category

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

## Measuring System

|                                          |                                           |
|------------------------------------------|-------------------------------------------|
| Weighing system                          | Strain gauge                              |
| Number of weighing ranges                | 1                                         |
| Weighing capacity [Max]                  | 30 kg                                     |
| Readability [d]                          | 0,002 kg                                  |
| Reproducibility                          | 0,002 kg                                  |
| Linearity                                | ± 0,006 kg                                |
| Resolution                               | 15.000                                    |
| Tare range                               | 30 kg                                     |
| Adjustment options                       | Adjusting with external weight            |
| Recommended adjusting weight             | 30 kg (M1)                                |
| Possible calibration points              | 30 kg                                     |
| Stabilization time                       | 2 s                                       |
| Eccentric loading at 1/3 [Max]           | 0,01 kg                                   |
| Construction type of the scale           | Single-range balance                      |
| Units                                    | kg<br>g<br>lb<br>oz<br>PCS<br>tj<br>lb:oz |
| Units (if device is conformity assessed) | kg<br>g                                   |
| Load cell connection                     | 4-wire                                    |
| Maximum creep (15 minutes)               | 8 g                                       |

|                            |            |
|----------------------------|------------|
| Maximum creep (30 minutes) | 16 g       |
| Default unit               | kg         |
| Loadcell type              | Tscale BX6 |

## Display

|                                 |           |
|---------------------------------|-----------|
| Display type                    | LCD       |
| Display backlight               | ✓         |
| Display screen size             | 100×35 mm |
| Display segments                | 7         |
| Display digit height            | 25 mm     |
| Languages of the user interface | English   |

## Construction

|                                       |                          |
|---------------------------------------|--------------------------|
| Dimension housing (W×D×H)             | 288×233×102 mm           |
| Dimensions completely mounted (W×D×H) | 288×233×102 mm           |
| Dimensions weighing surface (W×D)     | 190×230 mm               |
| Dimensions weighing surface           | 190×230 mm               |
| Dimensions weighing platform (W×D×H)  | 230×190×20 mm            |
| Material housing                      | stainless steel, plastic |
| Material weighing plate               | stainless steel          |
| Material load cell(s)                 | aluminium                |
| Level indicator                       | ✓                        |
| Levelling feet adjustable             | ✓                        |

## Functions

|                                                                   |                      |
|-------------------------------------------------------------------|----------------------|
| Tolerance weighing                                                | ✓                    |
| Tolerance weighing - type of signal                               | visual               |
| Capacity - Display                                                | ✓                    |
| Counting function                                                 | ✓                    |
| Counting resolution (laboratory conditions)                       | 15.000               |
| Smallest piece weight when piece counting - laboratory conditions | 2 g                  |
| Smallest piece weight when piece counting - normal conditions     | 20 g                 |
| Reference quantity                                                | 10, 20, 50, 100, 200 |
| Auto-off interval(s) in battery mode/rechargeable battery mode    | selectable           |
| Auto-off interval(s) in mains power mode                          | selectable           |
| Tare function                                                     | manual (multi)       |
| Number of keys for operation                                      | 4                    |

## Power Supply

|                       |                   |
|-----------------------|-------------------|
| Supplied power supply | Power supply unit |
|-----------------------|-------------------|

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|                                                                           |                                                                         |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Power supply type                                                         | USB including power supply                                              |
| Plug-in power supply / adapter for countries - included with the delivery | EURO                                                                    |
| Plug-in power supply / adapter for countries - optional                   | EURO                                                                    |
| Input voltage power supply / power [Max]                                  | 100 V - 240 V, 50 / 60 Hz                                               |
| Power supply cable removable                                              | removable                                                               |
| Input voltage device / power [Max]                                        | 5 V, 1 A                                                                |
| Power socket for mains adapter                                            | Hollow plug inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 9,4 mm |
| Battery / accumulator type                                                | Li-Ion                                                                  |
| Battery - Number of cells                                                 | 2                                                                       |
| Rechargeable battery operating time - backlight on                        | 400 h                                                                   |
| Rechargeable battery operating time - backlight off                       | 500 h                                                                   |
| Rechargeable battery charging time                                        | 4 h                                                                     |
| Rechargeable battery optional                                             | Rchrg. battery optional                                                 |

## Environmental conditions

|                               |        |
|-------------------------------|--------|
| Ambient temperature [Min]     | -10 °C |
| Ambient temperature [Max]     | 40 °C  |
| Humidity of environment [Min] | 5 %    |
| Humidity of environment [Max] | 85 %   |
| Storage temperature [Min]     | -10 °C |
| Storage temperature [Max]     | 40 °C  |

## 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) | 340×295×165 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 1,8 kg         |

|                        |        |
|------------------------|--------|
| Gross weight approx.   | 2,8 kg |
| Shipping weight        | 3,3 kg |
| Shipping volume weight | 3,3 kg |

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761488571            |
| Trade number         | 84238129                 |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD



### OPTION

