

# KERN FPB 15K-3



Robust bench scale with IP68/IP69K protection and checkweighing display



|                                          |            |
|------------------------------------------|------------|
| Units (if device is conformity assessed) | kg<br>g    |
| Load cell connection                     | 4-wire     |
| Maximum creep (15 minutes)               | 4 g        |
| Maximum creep (30 minutes)               | 8 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               |
| Counting function                                                 | ✓                    |
| Counting resolution (laboratory conditions)                       | 15.000               |
| Smallest piece weight when piece counting - laboratory conditions | 1 g                  |
| Smallest piece weight when piece counting - normal conditions     | 10 g                 |
| Reference quantity                                                | 10, 20, 50, 100, 200 |
| IP protection - complete device                                   | IP68<br>IP69K        |
| Auto-off interval(s) in battery mode/rechargeable battery mode    | selectable           |

Date of creation: 16.08.2026

## Category

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

## Measuring System

|                                |                                           |
|--------------------------------|-------------------------------------------|
| Weighing system                | Strain gauge                              |
| Number of weighing ranges      | 1                                         |
| Weighing capacity [Max]        | 15 kg                                     |
| Readability [d]                | 0,001 kg                                  |
| Reproducibility                | 0,001 kg                                  |
| Linearity                      | ± 0,003 kg                                |
| Resolution                     | 15.000                                    |
| Tare range                     | 15 kg                                     |
| Adjustment options             | Adjusting with external weight            |
| Recommended adjusting weight   | 15 kg (M1)                                |
| Possible calibration points    | 15 kg                                     |
| Stabilization time             | 2 s                                       |
| Eccentric loading at 1/3 [Max] | 0,005 kg                                  |
| Construction type of the scale | Single-range balance                      |
| Units                          | kg<br>g<br>lb<br>oz<br>PCS<br>tj<br>lb:oz |

# KERN FPB 15K-3



Robust bench scale with IP68/IP69K protection and checkweighing display

|                                          |                |
|------------------------------------------|----------------|
| Auto-off interval(s) in mains power mode | selectable     |
| Tare function                            | manual (multi) |
| Number of keys for operation             | 4              |

## Power Supply

|                                                                           |                            |
|---------------------------------------------------------------------------|----------------------------|
| Supplied power supply                                                     | Accu & Power supply        |
| 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 capacity                                    | 4.000 mAh                              |
| Battery voltage                                     | 3,7 V                                  |
| Battery - Number of cells                           | 2                                      |
| Battery - Individual weight                         | 154 g                                  |
| Battery - Total weight                              | 308 g                                  |
| Battery - Construction                              | Inseparable connection of cells (pack) |
| Battery capacity (Wh)                               | 14,8 Wh                                |
| Battery - Tests passed UN 38.3                      | ✓                                      |
| Rechargeable battery operating time - backlight on  | 400 h                                  |
| Rechargeable battery operating time - backlight off | 500 h                                  |
| Rechargeable battery charging time                  | 4 h                                    |
| Battery/Accu connected                              | not connected, enclosed                |

## 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

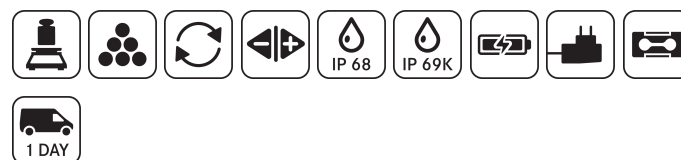
|                              |                |
|------------------------------|----------------|
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 340×295×165 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 2,2 kg         |
| Gross weight approx.         | 3,4 kg         |
| Shipping weight              | 3,3 kg         |
| Shipping volume weight       | 3,3 kg         |

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761488496            |
| Trade number         | 84238129                 |
| Warranty Time        | 24 mon                   |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD



### OPTION

DAkkS