

# KERN FPB 15K-3M



Robust bench scale with IP68/IP69K protection and checkweighing display, with optional verification



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]                          | 0,005 kg                       |
| Reproducibility                          | 0,005 kg                       |
| Linearity                                | ± 0,015 kg                     |
| Minimum weight [Min] (verifiable)        | 0,1 kg                         |
| Resolution                               | 3.000                          |
| 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]           | 0,025 kg                       |
| Conformity assessment possible           | ✓                              |
| Construction type of the scale           | Single-range balance           |
| Units                                    | kg<br>g<br>PCS                 |
| Units (if device is conformity assessed) | kg<br>g                        |
| Load cell connection                     | 4-wire                         |

|               |            |
|---------------|------------|
| 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)                       | 3.000                |
| Smallest piece weight when piece counting - laboratory conditions | 5 g                  |
| Smallest piece weight when piece counting - normal conditions     | 50 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           |
| Auto-off interval(s) in mains power mode                          | selectable           |
| Tare function                                                     | manual (multi)       |
| Number of keys for operation                                      | 4                    |

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## 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                                 | ✓ |
| Conformity assessment possible ex works | ✓ |

|                                 |          |
|---------------------------------|----------|
| Accuracy classe                 | III      |
| Verification scale interval [e] | 0,005 kg |

## Services (optional)

|                                                               |         |
|---------------------------------------------------------------|---------|
| Article number for adjustment at the location of installation | 961-248 |
| Article number for conformity assessment                      | 965-228 |
| 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      | 4045761488540            |
| Trade number         | 84238129                 |
| Warranty Time        | 24 mon                   |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD



### OPTION



### FACTORY

