

# KERN FKB 15K0.5

High resolution bench scale with large weighing range and robust stainless steel weighing plate



## Category

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

## Measuring System

|                                |                                |
|--------------------------------|--------------------------------|
| Construction type of the scale | Single-range balance           |
| Weighing system                | Strain gauge                   |
| Weighing capacity [Max]        | 15 kg                          |
| Readability [d]                | 0,0005 kg                      |
| Reproducibility                | 0,0005 kg                      |
| Linearity                      | ± 0,0015 kg                    |
| Resolution                     | 30.000                         |
| Adjustment options             | Adjusting with external weight |
| Recommended adjusting weight   | 15 kg (F2)                     |
| Possible calibration points    | 5 kg; 10 kg; 15 kg             |
| Stabilization time             | 3 s                            |
| Warm-up time                   | 120 min                        |
| Eccentric loading at 1/3 [Max] | 0,0025 kg                      |
| Maximum creep (15 minutes)     | 2 g                            |
| Maximum creep (30 minutes)     | 4 g                            |
| Default unit                   | kg                             |
| Units                          | kg                             |
|                                | g                              |
|                                | gn                             |
|                                | dwt                            |
|                                | ozt                            |
|                                | lb                             |
|                                | oz                             |
|                                | ffa                            |

## Display

|                                 |                            |
|---------------------------------|----------------------------|
| Display type                    | LCD                        |
| Display backlight               | ✓                          |
| Display screen size             | 120×38 mm                  |
| Display digit height            | 25 mm                      |
| Languages of the user interface | English<br>Symbol language |

## Construction

|                                      |                 |
|--------------------------------------|-----------------|
| Dimension housing (W×D×H)            | 350×390×120 mm  |
| Dimensions weighing surface (W×D)    | 340×240 mm      |
| Dimensions weighing surface          | 340×240 mm      |
| Dimensions weighing platform (W×D×H) | 340×240×21 mm   |
| Material housing                     | ABS plastic     |
| Material weighing plate              | stainless steel |
| Material display housing             | Plastics        |
| Level indicator                      | ✓               |
| Levelling feet adjustable            | ✓               |

## Functions

|   |   |
|---|---|
| Recipe/summing level  | Sum A                                   |
| Percentage determination  | ✓                                       |
| Tolerance weighing  | ✓                                       |
| Tolerance weighing - type of signal                               | acoustically<br>visual                  |
| Underfloor weighing   | Hook (included in delivery)             |
| Function for averaging under unstable weighing conditions         | ✓                                       |
| Counting function   | ✓                                       |
| Counting resolution (laboratory conditions)                       | 15.000                                  |
| Counting reference weight can be entered                          | ✓                                       |
| Smallest piece weight when piece counting - laboratory conditions | 1 g                                     |
| Smallest piece weight when piece counting - normal conditions     | 10 g                                    |
| Reference quantity  | 5, 10, 20, 50, n (any number of pieces) |
| IP protection - display   | no IP protection                        |
| Auto-off interval(s) in battery mode/rechargeable battery mode    | 5 min                                   |
|   | 2 min                                   |
|   | 1 min                                   |
|   | 30 min                                  |
|   | 60 min                                  |
|   | 30 sec                                  |

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|  |                |
|--|----------------|
| Auto-off interval(s) in mains power mode | off            |
| Tare function                            | manual (multi) |
| Number of keys for operation             | 6              |

## Interface

|                                |  |
|--------------------------------|--|
| Interfaces                     | RS-232 (optional)<br>Ethernet (optional)<br>Bluetooth BLE (v4.0) (optional)<br>USB-Device (optional)<br>KUP<br>WiFi (optional) |
| EasyTouch (ET) - Compatibility | vollständig  |

## Power Supply

|   |                                  |
|---|----------------------------------|
| Supplied power supply   | Power supply unit                |
| Plug-in power supply type   | Power adapter                    |
| Plug-in power supply / adapter for countries - included with the delivery | EURO<br>UK<br>US<br>CH           |
| Plug-in power supply / adapter for countries - optional                   | EURO<br>UK<br>US<br>CH           |
| Input voltage power supply / power [Max]                                  | 100 V - 240 V AC, 50 / 60 Hz     |
| Input voltage device / power [Max]  | 5,9V, 1A                         |
| Battery / accumulator type  | Li-Ion                           |
| Battery   | 4×1.5 V AA                       |
| Battery connection  | Battery insert                   |
| Battery operating time  | 20 h                             |
| Rechargeable battery operating time - backlight on                        | 24 h                             |
| Rechargeable battery operating time - backlight off                       | 48 h                             |
| Rechargeable battery charging time  | 8 h                              |
| Rechargeable battery optional   | Rchrg. battery optional - intern |

## Environmental conditions

|                               |        |
|-------------------------------|--------|
| Ambient temperature [Min]     | -10 °C |
| Ambient temperature [Max]     | 40 °C  |
| Humidity of environment [Max] | 80 %   |
| Storage temperature [Min]     | -20 °C |
| Storage temperature [Max]     | 60 °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 (verification)   | 969-517 |

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 470×470×190 mm |
| Net weight                   | 6,5 kg         |
| Shipping method              | Parcel service |
| Net weight approx.           | 7 kg           |
| Gross weight approx.         | 6 kg           |
| Shipping weight              | 8,4 kg         |

## Pictograms

### STANDARD



### OPTION

