

# KERN FKB 36K0.2

**KERN**

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



Date of creation: 23.06.2026

## Category

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

## Measuring System

|                                |                                |
|--------------------------------|--------------------------------|
| Weighing system                | Strain gauge                   |
| Weighing capacity [Max]        | 36 kg                          |
| Readability [d]                | 0,0002 kg                      |
| Reproducibility                | 0,0004 kg                      |
| Linearity                      | ± 0,001 kg                     |
| Resolution                     | 180.000                        |
| Adjustment options             | Adjusting with external weight |
| Recommended adjusting weight   | 20 kg (F1); 10 kg (F1)         |
| Possible calibration points    | 10 kg; 20 kg; 30 kg            |
| Stabilization time             | 3 s                            |
| Eccentric loading at 1/3 [Max] | 0,001 kg                       |
| Construction type of the scale | Single-range balance           |

|                            |     |
|----------------------------|-----|
| Units                      | kg  |
|                            | g   |
|                            | gn  |
|                            | dwt |
|                            | ozt |
|                            | lb  |
|                            | oz  |
|                            | ffa |
|                            | PCS |
|                            | %   |
| Maximum creep (15 minutes) | 2 g |
| Maximum creep (30 minutes) | 4 g |
| Default unit               | kg  |

## 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             | plastic         |
| Level indicator                      | ✓               |
| Levelling feet adjustable            | ✓               |

## Functions

|                                                                   |                                         |
|-------------------------------------------------------------------|-----------------------------------------|
| Recipe/summing level                                              | Sum A                                   |
| Percentage determination                                          | ✓                                       |
| Conversion function                                               | ✓                                       |
| 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)                       | 180.000                                 |
| Counting reference weight can be entered                          | ✓                                       |
| Smallest piece weight when piece counting - laboratory conditions | 200 mg                                  |
| Smallest piece weight when piece counting - normal conditions     | 2 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<br>2 min<br>1 min<br>30 min       |

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|                                          |                  |
|------------------------------------------|------------------|
|                                          | 60 min<br>30 sec |
| 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) |
| compatible with EasyTouch | ✓                                                                                                                              |

## Power Supply

|                                                                           |                                                                         |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Supplied power supply                                                     | Power supply & battery function (battery not included)                  |
| 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                                            |
| Power supply cable removable                                              | removable                                                               |
| Input voltage device / power [Max]                                        | 5,9V, 1A                                                                |
| Power socket for mains adapter                                            | Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 13 mm |
| 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 DAkkS calibration         | 963-128 |
| Article number for certificate of conformity | 969-517 |

## Packing & Shipping

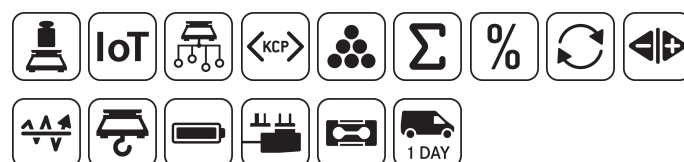
|                              |                |
|------------------------------|----------------|
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 470×470×190 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 7 kg           |
|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

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761357556            |
| Trade number         | 84238220                 |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD



### OPTION

