

# KERN FCB 30K1



The new FCB: Checkweighing and portioning scale with up to three interfaces



## Category

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

## Measuring System

|                                |                                |
|--------------------------------|--------------------------------|
| Construction type of the scale | Single-range balance           |
| Weighing system                | Strain gauge                   |
| Weighing capacity [Max]        | 30 kg                          |
| Readability [d]                | 0,001 kg                       |
| Reproducibility                | 0,001 kg                       |
| Linearity                      | ± 0,003 kg                     |
| Resolution                     | 30.000                         |
| Adjustment options             | Adjusting with external weight |
| Recommended adjusting weight   | 30 kg (F2)                     |
| Possible calibration points    | 10 kg; 20 kg; 30 kg            |
| Stabilization time             | 2 s                            |
| Warm-up time                   | 120 min                        |
| Eccentric loading at 1/3 [Max] | 0,005 kg                       |
| Maximum creep (15 minutes)     | 4 g                            |
| Maximum creep (30 minutes)     | 8 g                            |
| Default unit                   | kg                             |
| Units                          | kg                             |
|                                | g                              |
|                                | gn                             |
|                                | dwt                            |
|                                | ct                             |
|                                | lb                             |
|                                | oz<br>ffa                      |

|               |                                |
|---------------|--------------------------------|
|               | PCS<br>%                       |
| Loadcell type | aluminium IP65 silicone-coated |

## 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)             | 322×267×91 mm   |
| Dimensions completely mounted (W×D×H) | 325×270×105 mm  |
| Dimensions weighing surface (W×D)     | 252×225 mm      |
| Dimensions weighing surface           | 252×225 mm      |
| Material housing                      | plastic         |
| Material weighing plate               | stainless steel |
| Material display housing              | Plastics        |
| Material load cell(s)                 | aluminium       |
| Level indicator                       | ✓               |
| Levelling feet adjustable             | ✓               |
| Transport safety lock - bolt torque   | 0,4 Nm          |

## Functions

|   |                            |
|---|----------------------------|
| Recipe/summing level  | Sum A                      |
| Percentage determination  | ✓                          |
| Tolerance weighing  | ✓                          |
| Tolerance weighing - type of signal                               | acoustically<br>visual     |
| Underfloor weighing   | None                       |
| Function for averaging under unstable weighing conditions         | ✓                          |
| Counting function   | ✓                          |
| Counting resolution (laboratory conditions)                       | 30.000                     |
| 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, free, Input |
| IP protection - complete device                                   | -                          |
| IP protection - display   | no IP protection           |

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|  |                |
|--|----------------|
| IP protection - load cell                                      | IP65           |
|  | 2 min          |
|  | 1 min          |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 30 min         |
|  | 60 min         |
|  | 30 sec         |
| 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  |
| EasyTouch (ET) - Connection type | KUP  |

| 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 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      |

| Environmental conditions      |        |
|-------------------------------|--------|
| Ambient temperature [Min]     | 0 °C   |
| Ambient temperature [Max]     | 40 °C  |
| Humidity of environment [Min] | 0 %    |
| Humidity of environment [Max] | 80 %   |
| Storage temperature [Min]     | -20 °C |

Storage temperature [Max] 60 °C

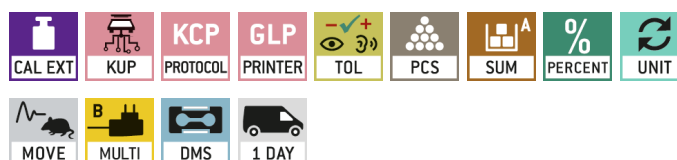
| Approval |   |
|----------|---|
| CE mark  | ✓ |

| 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                  | 969-517 |

| Packing & Shipping           |                |
|------------------------------|----------------|
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 395×335×200 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 3,0 kg         |
| Gross weight approx.         | 3,4 kg         |
| Shipping weight              | 5,3 kg         |

## Pictograms

### STANDARD



### OPTION

