# KERN **SFB 100K-2XL**

Stainless steel platform scale with IP65/IP67 protection and XL platform



**Date of creation: 24.10.2026**

| Category | |
|---|---|
| Brand | KERN |
| Product category | Industrial scale |
| Product group | Stainless steel platform scale |
| Product family | SFB |

| Measuring System | |
|---|---|
| Weighing system | Strain gauge |
| Weighing capacity [Max] | 100 kg |
| Readability [d] | 0,01 kg |
| Reproducibility | 0,01 kg |
| Linearity | ± 0,02 kg |
| Resolution | 10.000 |
| Tare range | 100 kg |
| Adjustment options | Adjusting with external weight |
| Recommended adjusting weight | 100 kg (M1) |
| Stabilization time | 2 s |
| Eccentric loading at 1/3 [Max] | 0,05 kg |
| Construction type of the scale | Single-range balance |
| Units | kg<br>g<br>lb<br>Hj, tJ<br>lb:oz |
| Load cell connection | 6-wire |
| Maximum creep (15 minutes) | 40 g |
| Maximum creep (30 minutes) | 80 g |
| Default unit | kg |
| Loadcell type | stainless steel IP68 encapsulated |
| Warm-up time | 30 min |

| Display | |
|---|---|
| Display type | LCD |
| Display type | LCD with backlight |
| Display backlight | ✓ |
| Display segments | 5 + 1/2 |
| Display digit height | 52 mm |

| Construction | |
|---|---|
| Dimensions completely mounted (W×D×H) | 650×660×590 mm |
| Dimension display device (W×D×H) | 266×165×96 mm |
| Dimensions weighing surface (W×D) | 650×500 mm |
| Dimensions weighing surface | 650×500 mm |
| Dimensions weighing platform (W×D×H) | 650×500×139 mm |
| Material weighing plate | stainless steel |
| Material platform | stainless steel |
| Material display housing | stainless steel |
| Material load cell(s) | stainless steel |
| Level indicator | ✓ |
| Levelling feet adjustable | ✓ |
| Wall mount | ✓ |
| Cable length | 3 m |
| Display device cable length | 3 m |
| Allowed cable length display device [Max] | 30 m |

| Functions | |
|---|---|
| IP protection - display | IP65 |
| IP protection - platform | no IP protection |
| IP protection - load cell | IP68 |
| Sum memory function | ✓ |
| Function for averaging under unstable weighing conditions | ✓ |
| Tolerance weighing | ✓ |
| Counting function | ✓ |
| Auto-off interval(s) in battery mode/rechargeable battery mode | selectable |
| Auto-off interval(s) in mains power mode | selectable |
| Tare function | manual (multi) |

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| | |
|---|---|
| Reference quantity | 10, 20, 50, 100, 200 |
| Recipe/summing level | Sum A |
| Number of keys for operation | 7 |
| Tolerance weighing - type of signal | acoustically<br>visual |

## Interface

| | |
|---|---|
| Interfaces | RS-232 (optional, factory)<br>Bluetooth BTC (v2.0) (optional, factory)<br>analogue (0 - 10 V) (optional, factory)<br>analogue (4 - 20 mA) (optional, factory) |

## Power Supply

| | |
|---|---|
| Supplied power supply | Accu & Power supply |
| Power supply type | Power adapter |
| Plug-in power supply / adapter for countries - optional | EURO<br>UK<br>US |
| Input voltage power supply / power [Max] | 110 V - 230 V AC |
| Power supply cable removable | removable |
| Input voltage device / power [Max] | 12 V, 500 mA |
| Power socket for mains adapter | Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 9,5 mm |
| Battery / accumulator type | Pb |
| Battery connection | Plug-in terminals |
| Rechargeable battery operating time - backlight on | 20 h |
| Rechargeable battery operating time - backlight off | 35 h |
| Rechargeable battery charging time | 12 h |
| Battery/Accu connected | fixed electrical connection, not insulated |

## Environmental conditions

| | |
|---|---|
| Ambient temperature [Min] | -10 °C |
| Ambient temperature [Max] | 40 °C |
| Humity of environment [Min] | 0 % |
| Humity of environment [Max] | 95 % |
| Storage temperature [Min] | -20 °C |
| Storage temperature [Max] | 60 °C |

## Services (optional)

| | |
|---|---|
| Article number for adjustment at the location of installation | 961-249 |
| Article number for DAkkS calibration | 963-129 |
| Article number for certificate of conformity | 969-517 |

## Packing & Shipping

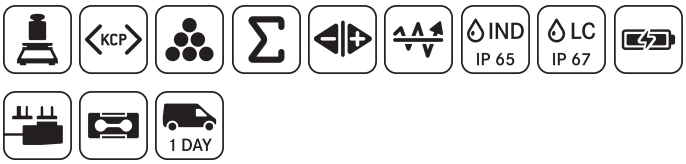
| | |
|---|---|
| Delivery time | 1 d |
| Dimensions packaging (W×D×H) | 1050×670×240 mm |
| Shipping method | Parcel service |
| Net weight approx. | 24 kg |
| Gross weight approx. | 26 kg |
| Shipping weight | 33,8 kg |
| Shipping volume weight | 33,8 kg |

## Product information

| | |
|---|---|
| GTIN/EAN number | 4045761248236 |
| Trade number | 84238220 |
| Warranty Time | 36 mon |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD




### OPTION




### FACTORY

