

# KERN SFB 100K-2XLM

**KERN**

Stainless steel platform scale with IP65/IP67 protection and XL platform, verification optional



## 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]        | 150 kg                            |
| Readability [d]                | 0,05 kg                           |
| Reproducibility                | 0,05 kg                           |
| Linearity                      | ± 0,05 kg                         |
| Minimum weight [Min]           | 1 kg                              |
| Conformity assessment possible | ✓                                 |
| Resolution                     | 3.000                             |
| Tare range                     | -150 kg                           |
| Adjustment options             | Adjusting with external weight    |
| Recommended adjusting weight   | 150 kg (M1)                       |
| Stabilization time             | 2 s                               |
| Warm-up time                   | 10 min                            |
| Eccentric loading at 1/3 [Max] | 0,05 kg                           |
| Load cell connection           | 6-wire                            |
| Construction type of the scale | Single-range balance              |
| Units                          | kg                                |
| Default unit                   | kg                                |
| Loadcell type                  | stainless steel IP68 encapsulated |

## Display

|              |                    |
|--------------|--------------------|
| Display type | LCD                |
| Display type | LCD with backlight |

|                                 |                            |
|---------------------------------|----------------------------|
| Display backlight               | ✓                          |
| Display segments                | 5 + 1/2                    |
| Display digit height            | 52 mm                      |
| Languages of the user interface | English<br>Symbol language |

## Construction

|                                           |                 |
|-------------------------------------------|-----------------|
| Dimension display device (W×D×H)          | 276×178×90 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            |
| Load cells - number                       | 1               |

## Functions

|                                                                |                         |
|----------------------------------------------------------------|-------------------------|
| Sum memory function                                            | ✓                       |
| Recipe/summing level                                           | Sum A                   |
| Tolerance weighing                                             | ✓                       |
| Tolerance weighing - type of signal                            | acoustically<br>visual  |
| Function for averaging under unstable weighing conditions      | ✓                       |
| Counting function                                              | ✓                       |
| IP protection - display                                        | IP65                    |
| IP protection - platform                                       | no IP protection        |
| IP protection - load cell                                      | IP68                    |
| Auto-off interval(s) in battery mode/rechargeable battery mode | selectable              |
| Auto-off interval(s) in mains power mode                       | selectable<br>free      |
| Tare function                                                  | manual (single & multi) |
| Number of keys for operation                                   | 7                       |

## Interface

|            |                                                    |
|------------|----------------------------------------------------|
| Interfaces | RS-232 (optional, factory)<br>Bluetooth BTC (v2.0) |
|------------|----------------------------------------------------|

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(optional, factory)  
analogue (0 - 10 V)  
(optional, factory)  
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 - included with the delivery | EURO<br>UK<br>US<br>CH                                                            |
| 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,<br>Ø outside 5,5 mm, Ø<br>inside 2,1 mm, long 9,5<br>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<br>connection, not insulated                                     |

## Environmental conditions

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

## Approval

|                                         |         |
|-----------------------------------------|---------|
| CE mark                                 | ✓       |
| Conformity assessment possible ex works | ✓       |
| Accuracy classe                         | III     |
| Verification scale interval [e]         | 0,05 kg |

## Services (optional)

|                                                               |         |
|---------------------------------------------------------------|---------|
| Article number for adjustment at the location of installation | 961-249 |
| Article number for conformity assessment                      | 965-229 |
| Article number for DAkkS calibration                          | 963-129 |
| Article number for certificate of conformity                  | 969-517 |

## Packing & Shipping

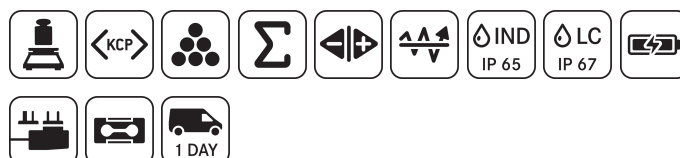
|                              |                 |
|------------------------------|-----------------|
| Delivery time                | 1 d             |
| Dimensions packaging (W×D×H) | 680×1050×245 mm |
| Shipping method              | Parcel service  |
| Net weight approx.           | 24 kg           |
| Gross weight approx.         | 26 kg           |
| Shipping weight              | 35 kg           |

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761244412            |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD



### OPTION



### FACTORY

