

# KERN SFB 100K-2HM

**KERN**

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



## 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 IP67<br>silicone-coated |

## Display

|              |     |
|--------------|-----|
| Display type | LCD |
|--------------|-----|

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

## Construction

|                                           |                 |
|-------------------------------------------|-----------------|
| Dimensions completely mounted (W×D×H)     | 400×460×590 mm  |
| Dimension display device (W×D×H)          | 266×165×96 mm   |
| Dimensions weighing surface (W×D)         | 400×300 mm      |
| Dimensions weighing surface               | 400×300 mm      |
| Dimensions weighing platform (W×D×H)      | 400×300×111 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                 | ✓               |
| Stand height                              | 400 mm          |
| Stand inclinable                          | ✓               |
| Wall mount                                | ✓               |
| Cable length                              | 0 m             |
| Display device cable length               | 0 m             |
| Allowed cable length display device [Max] | 30 m            |

## 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                                              | ✓                                         |
| Reference quantity                                             | 10, 20, 50, 100, 200                      |
| IP protection - display                                        | IP65                                      |
| IP protection - platform                                       | no IP protection                          |
| IP protection - load cell                                      | IP67                                      |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 3 min<br>off<br>5 min<br>30 min<br>15 min |
| Auto-off interval(s) in mains power mode                       | 3 min<br>off<br>5 min                     |

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|                              |                         |
|------------------------------|-------------------------|
|                              | 30 min<br>15 min        |
| Tare function                | manual (single & multi) |
| Number of keys for operation | 7                       |

| 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 - 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, 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  |
| 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) | 795×465×220 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 10 kg          |
| Gross weight approx.         | 15 kg          |
| Shipping weight              | 16,3 kg        |

| Product information  |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761247918            |
| REACH classification | no prohibited substances |

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## Pictograms

### STANDARD



### OPTION



### FACTORY

