

# KERN SFB 10K1HIP

**KERN**

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



Loadcell type stainless steel IP67  
silicone-coated

## 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)     | 300×400×395 mm  |
| Dimension display device (W×D×H)          | 266×165×96 mm   |
| Dimensions weighing surface (W×D)         | 300×240 mm      |
| Dimensions weighing surface               | 300×240 mm      |
| Dimensions weighing platform (W×D×H)      | 300×240×107 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                              | 200 mm          |
| Stand inclinable                          | ✓               |
| Wall mount                                | ✓               |
| Transport safety lock - bolt torque       | 0,1 Nm          |
| 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                   |

## 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]                  | 10 kg                          |
| Readability [d]                          | 0,001 kg                       |
| Reproducibility                          | 0,001 kg                       |
| Linearity                                | ± 0,001 kg                     |
| Resolution                               | 10.000                         |
| Tare range                               | -10 kg                         |
| Adjustment options                       | Adjusting with external weight |
| Recommended adjusting weight             | 10 kg (M1)                     |
| Stabilization time                       | 2 s                            |
| Warm-up time                             | 30 min                         |
| Eccentric loading at 1/3 [Max]           | 0,001 kg                       |
| Load cell connection                     | 6-wire                         |
| Units (if device is conformity assessed) | kg                             |
| Construction type of the scale           | Single-range balance           |
|                                          | kg                             |
|                                          | g                              |
| Units                                    | lb                             |
|                                          | Hj, tj                         |
|                                          | lb:oz                          |
| Maximum creep (15 minutes)               | 4 g                            |
| Maximum creep (30 minutes)               | 8 g                            |
| Default unit                             | kg                             |

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|                                                                |                |
|----------------------------------------------------------------|----------------|
| Auto-off interval(s) in battery mode/rechargeable battery mode | 3 min          |
|                                                                | off            |
|                                                                | 5 min          |
|                                                                | 30 min         |
| Auto-off interval(s) in mains power mode                       | 15 min         |
|                                                                | off            |
|                                                                | 5 min          |
|                                                                | 30 min         |
| Tare function                                                  | 15 min         |
| Number of keys for operation                                   | 3 min          |
|                                                                | manual (multi) |
|                                                                | 7              |

## Interface

|            |                                          |
|------------|------------------------------------------|
| Interfaces | RS-232 (optional, factory)               |
|            | Bluetooth BTC (v2.0) (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                                                                     |
|                                                                           | UK                                                                       |
|                                                                           | US                                                                       |
|                                                                           | CH                                                                       |
| Plug-in power supply / adapter for countries - optional                   | EURO                                                                     |
|                                                                           | UK                                                                       |
|                                                                           | US                                                                       |
| Input voltage power supply / power [Max]                                  | 110 V - 230 V AC                                                         |
| 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] | 10 %   |
| Humidity of environment [Max] | 95 %   |
| 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) | 695×415×225 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 8 kg           |
| Gross weight approx.         | 10 kg          |
| Shipping weight              | 13 kg          |

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761247871            |
| REACH classification | no prohibited substances |

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## Pictograms

### STANDARD



### OPTION



### FACTORY

