Stainless steel platform scale KERN SFB-H · SFB

EasyTouch

Please note: only one optional interface can be fitted for each one

Stainless steel platform scales with IP65/67 protection, also with XL platform or EC type approval [M]

Features

- Ideal for the robust industrial applications
- ① Platform: made entirely of stainless steel, silicone-coated Stainless Steel load cell, protection against dust and water splashes IP67
- ② Display device: Stainless steel, protection against dust and water splashes IP65, (only when using rechargeable battery pack)
- ③ KERN SFB-H: Column, standard, for models with weighing plate size
  300×240 mm: Height of stand approx. 200 mm
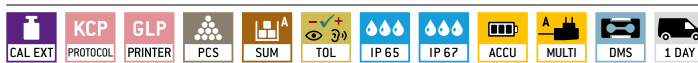 400×300 mm: Height of stand approx. 400 mm

Technical data

- Large backlit LCD display, digit height 52 mm
- Dimensions of display device W×D×H 266×165×96 mm
- Weighing plate dimensions, stainless steel
  Ⓐ W×D×H 300×240×105 mm
  Ⓑ W×D×H 400×300×105 mm
  Ⓒ W×D×H 500×400×137 mm
  Ⓓ W×D×H 650×500×142 mm
- KERN SFB: Cable length of display device approx. 3 m
- Rechargeable battery pack integrated, as standard, operating time up to 35 h without backlight, charging time approx. 12 h
- Permissible ambient temperature -10 °C/40 °

Accessories

- ④ KERN SFB: Stand to be screwed onto the platform, height of stand approx. 600 mm, KERN SFB-A01
- ⑤ KERN SFB: Stand to elevate display device, height of stand approx. 800 mm, KERN BFN-A04
- Data interface RS-232, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KFN-A01
- Bluetooth data interface for wireless data transfer to PC or tablets, must be ordered at purchase, not in combination with verification, KERN KFB-A03
- Analogue module 0–10 V, must be ordered at purchase, KERN KFB-A04
- Analogue module 4–20 mA, must be ordered at purchase, KERN KFB-A05
- Further details, plenty of further accessories and suitable printers see *Accessories*
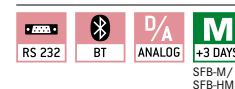
STANDARD | **OPTION** | **FACTORY**

CAL EXT | KCP PROTOCOL | GLP PRINTER | PCS | SUM | TOL | IP 65 | IP 67 | ACCU | MULTI | DMS | 1 DAY | ET | DAkkS +3 DAYS | RS 232 | BT | D/A ANALOG | M +3 DAYS SFB-M/SFB-HM

Model KERN	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate W×D	Option Verification Ⓜ KERN	DAkkS Calibr. Certificate DAkkS KERN
SFB 50K-3XL	50	5	-	-	14	Ⓒ	-	963-128
SFB 100K-2XL	100	10	-	-	24	Ⓓ	-	963-129
with elevated display								
SFB 10K1HIP	10	1	-	-	8	Ⓐ	-	963-128
SFB 20K2HIP	20	2	–	-	8	Ⓐ	-	963-128
SFB 50K5HIP	50	5	–	-	8	Ⓐ	-	963-128
SFB 50K5LHIP	50	5	–	-	10	Ⓑ	-	963-128
SFB 100K10HIP	100	10	-	-	10	Ⓑ	-	963-129

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

Model KERN	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate W×D	Option Verification Ⓜ KERN	DAkkS Calibr. Certificate DAkkS KERN
SFB 60K-2XLM	60	20	20	400	14	Ⓒ	965-229	963-129
SFB 100K-2LM	150	50	50	1000	14	Ⓒ	965-229	963-129
SFB 100K-2XLM	150	50	50	1000	24	Ⓓ	965-229	963-129
with elevated display								
SFB 15K5HIPM	15	5	5	100	8	Ⓐ	965-228	963-128
SFB 30K10HIPM	30	10	10	200	8	Ⓐ	965-228	963-128
SFB 60K20LHIPM	60	20	20	400	10	Ⓑ	965-229	963-129
SFB 100K-2HM	150	50	50	1000	10	Ⓑ	965-229	963-129

Internal adjusting:
Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)
CAL INT

Adjusting program CAL:
For quick setting up of the balance's accuracy. External adjusting weight required
CAL EXT

Easy Touch:
Suitable for the connection, data transmission and control through PC or tablet.
ET

Memory:
Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.
MEMORY

Alibi memory:
Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.
ALIBI

KERN Universal Port (KUP):
allows the connection of external KUP interface adapters, e.g. RS-232, RS-485, SB, Bluetooth, WLAN, Analogue, Ethernet etc. for the exchange of data and control commands, without installation effort
KUP

Data interface RS-232:
To connect the balance to a printer, PC or network
RS 232

RS-485 data interface:
To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible
RS 485

USB data interface:
To connect the balance to a printer, PC or other peripherals
USB

Bluetooth* data interface:
To transfer data from the balance to a printer, PC or other peripherals
BT

WiFi data interface:
To transfer data from the balance to a printer, PC or other peripherals
WIFI

Control outputs (optocoupler, digital I/O):
To connect relays, signal lamps, valves, etc.
SWITCH

Analogue interface:
to connect a suitable peripheral device for analogue processing of the measurements
D/A ANALOG

Interface for second balance:
For direct connection of a second balance
DUAL

Network interface:
For connecting the scale to an Ethernet network
LAN

KERN Communication Protocol (KCP):
It is a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other digital systems
KCP PROTOCOL

GLP/ISO log:
The balance displays weight, date and time, independent of a printer connection
GLP INTERN

GLP/ISO log:
With weight, date and time. Only with KERN printers.
GLP PRINTER

Piece counting:
Reference quantities selectable. Display can be switched from piece to weight
PCS

Recipe level A:
The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out
RECIPE A

Recipe level B:
Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display
RECIPE B

Totalising level A:
The weights of similar items can be added together and the total can be printed out
SUM A

Percentage determination:
Determining the deviation in % from the target value (100 %)
PERCENT

Weighing units:
Can be switched to e.g. nonmetric units. See balance model. Please refer to KERN's website for more details
UNIT

Weighing with tolerance range:
(Checkweighing) Upper and lower limiting can be programmed individually, e.g. for sorting and dosing. The process is supported by an audible or visual signal, see the relevant model
TOL

Hold function:
(Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value
MOVE

Protection against dust and water splashes IPxx:
The type of protection is shown in the pictogram.
IP

Suspended weighing:
Load support with hook on the underside of the balance
UNDER

Battery operation:
Ready for battery operation. The battery type is specified for each device
BATT

Rechargeable battery pack:
Rechargeable set
ACCU

Universal plug-in power supply:
with universal input and optional input socket adapters for
A) EU, CH, GB
B) EU, CH, GB, USA
C) EU, CH, GB, USA, AUS
MULTI

Plug-in power supply:
230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available
230 V

Integrated power supply unit:
Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request
230 V

Weighing principle: Strain gauges
Electrical resistor on an elastic deforming body
DMS

Weighing principle: Tuning fork
A resonating body is electromagnetically excited, causing it to oscillate
T-FORK

Weighing principle: Electromagnetic force compensation
Coil inside a permanent magnet. For the most accurate weighings
FORCE

Weighing principle: Single cell technology:
Advanced version of the force compensation principle with the highest level of precision
SC TECH

Verification possible:
The time required for verification is specified in the pictogram
M +3 DAYS

DAkkS calibration possible (DKD):
The time required for DAkkS calibration is shown in days in the pictogram
DAkkS +3 DAYS

Factory calibration (ISO):
The time required for Factory calibration is shown in days in the pictogram
ISO +4 DAYS

Package shipment:
The time required for internal shipping preparations is shown in days in the pictogram
1 DAY

Pallet shipment:
The time required for internal shipping preparations is shown in days in the pictogram
2 DAYS