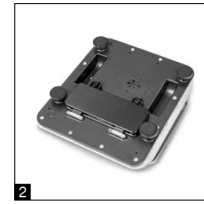IP Protected Bench Scale KERN FXN · FXN-M

2

3

Bench scale, protected by stainless steel and protection type IP68, verification optional

Features

- Ideal for the increased hygienic requirements in the food industries
- Your support in a HACCP-compliant quality system
- Ideal for the robust industrial applications
- Thanks to the stainless steel design of the housing and platform with smooth surface, the scale is rust-free and easy to clean
- ❶ Dust and splash water protection type IP68. Therefore very robust and durable. Ideal for rough environmental conditions. Even immersion of the scale in water possible
- Very fast display: steady weight values within 2 s
- High mobility: thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchens, sales offices, cafeterias, food industry laboratories, etc.)

- ❷ Recessed grips on the underside of the scale for easy transportation
- Weighing with tolerance range (checkweighing): a visual and audible signal helps with portioning, dispensing or grading
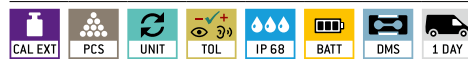
Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 236×195 mm
- Ready for use: Batteries standard, 4×1.5 V Size D, operating time approx. 500 h, AUTO-OFF function to preserve the battery
- Net weight approx. 3,4 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- ❸ Tare pan made from stainless steel, ideal for weighing loose small parts as well as fruits, vegetables, etc., overall dimensions W×D×H 400×300×45 mm, KERN RFS-A02

Note: Official verification is mandatory for commercial trade

STANDARD | OPTION | FACTORY

| CAL EXT | PCS | UNIT | TOL | IP 68 | BATT | DMS | 1 DAY | DAkkS +3 DAYS | M +3 DAYS FXN-M |

❶

Model KERN	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight (Normal) g/piece	Verification M KERN	Options DAkkS Calibr. Certificate DAkkS KERN
FXN 3K-4N	3	0,5	-	-	5	-	963-127
FXN 6K-3N	6	1	-	-	10	-	963-128
FXN 10K-3N	15	2	-	-	20	-	963-128
FXN 30K-3N	30	5	-	-	50	-	963-128

Note: For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order. The initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification.

FXN 3K-3M	3	1	1	20	5	965-227	963-127
FXN 10K-3M	15	5	5	100	20	965-228	963-128
FXN 6K-3M	6	2	2	40	10	965-228	963-128
FXN 30K-2M	30	10	10	200	50	965-228	963-128

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

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

EasyTouch
ET
Suitable for the connection, data transmission and control through PC or tablet

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

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

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

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

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

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

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

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

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

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

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

Network interface
LAN
For connecting the scale to an Ethernet network

KERN Communication Protocol (KCP)
KCP PROTOCOL
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

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

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

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

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

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

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

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

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

Weighing with tolerance range (Checkweighing)
TOL
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

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

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

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

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

Rechargeable battery pack
ACCU
Rechargeable set

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

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

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

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

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

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

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

Conformity Assessment
M +3 DAYS
The time required for conformity assessment is specified in the pictogram

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

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

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

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