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Platform scale with dust and spray protection IP65 and EC type approval [M]

Features

- Platform scale protected to IP65 with stainless steel display device, for industrial applications, hygienic and easy to clean
- 1 **Platform:** weighing plate stainless steel, painted steel base, silicone-coated aluminium load cell, protection against dust and water splashes IP65
- **Display device:** stainless steel, protection against dust and water splashes IP65, flexible positioning, e.g. free-standing or mounted to the wall, for details see KERN KFE-TM
- **Weighing with tolerance range (check-weighing):** a visual and audible signal helps with portioning, dispensing or grading
- **Hold function:** When the weighing conditions are unstable, a stable weight is calculated determining an average value
- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels (only for non-verified models)

Technical data

- Large backlit LCD display, digit height 22 mm
- Weighing plate dimensions, stainless steel W×D×H
  - A 300×240×110 mm
  - B 400×300×130 mm
  - C 500×400×140 mm
  - D 650×500×140 mm
- Dimensions of display device W×D×H 195×118×83 mm
- Cable length of display device approx. 3 m
- Rechargeable battery pack internal, operating time up to 35 h without backlight, charging time approx. 12 h
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02
- **Stand** to elevate display device, for models with weighing plate size
  A–D: 2 height of stand approx. 200 mm, KERN SFE-A01
  B–D: 3 height of stand approx. 400 mm, KERN SFE-A02
  C, D: 3 height of stand approx. 600 mm, KERN SFE-A03

STANDARD: CAL EXT · SUM · TOL · MOVE · IP 65 · INOX · ACCU · MULTI · DMS · 1 DAY · 3 YEARS WARRANTY
OPTION: DAkkS +3 DAYS
FACTORY: M +3 DAYS

Model KERN	Weighing range [Max] kg	Read-out [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate		Options Verification M III KERN		DAkkS Calibr. Certificate DKD KERN	
SFE 6K-3NM	6	2	2	40	5,0	A		965-228		963-128	
SFE 15K5IPM*	15	5	5	100	6	A		965-228		963-128	
SFE 10K-3LNM	15	5	5	100	12	B		965-228		963-128	
SFE 30K-2NM	30	10	10	200	6	A		965-228		963-128	
SFE 60K-2NM	60	20	20	400	10	B		965-229		963-129	
SFE 60K-2LNM	60	20	20	400	14	C		965-229		963-129	
SFE 100K-2M*	150	50	50	1000	10	B		965-229		963-129	
SFE 100K-2LM*	150	50	50	1000	14	C		965-229		963-129	
SFE 100K-2XLNM	150	50	50	1000	22	D		965-229		963-129	
SFE 300K-1LNM	300	100	100	2000	20	D		965-229		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.

! * ONLY WHILE STOCKS LAST !

KERN Pictograms

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

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

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

ALIBI
Alibi memory:
Electronic archiving of weighing results, complying with the 2009/23/EC standard.
For details see page 199

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

RS 485
RS-485 data interface:
To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.

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

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

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

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

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

LAN
Network interface:
For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.
See page 166

RC
Wireless data transfer:
between the weighing unit and the evaluation unit using an integrated radio module.

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

GLP PRINTER
GLP/ISO log:
With weight, date and time. Only with KERN printers, see "Accessories", see page 163.

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

A RECIPE
Recipe level A:
Separate memory for the weight of the tare container and the recipe ingredients(net total).

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

C RECIPE
Recipe level C:
Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, multiplier function, adjustment of recipe when dosages are exceeded or barcode recognition.

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

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

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

TOL
Weighing with tolerance range:
Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning

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

IP
Protection against dust and water splashes IPxx:
The type of protection is shown in the pictogram. For details see page 56.

ATEX
ATEX explosion protection:
Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.

INOX
Stainless steel:
The balance is protected against corrosion.

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

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

ACCU
Rechargeable battery pack:
Rechargeable set.

A MULTI
Universal mains adapter: with universal input and optional input socket adapters for
A) EU, GB
B) EU, GB, CH, USA
C) EU, GB, CH, USA, AUS

230 V
Mains adapter:
230V/50Hz in standard version for EU. On request GB, USA or AUS version available.

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

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

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

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

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

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

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

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

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

3 YEARS WARRANTY
Warranty:
The warranty period is shown in the pictogram.

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