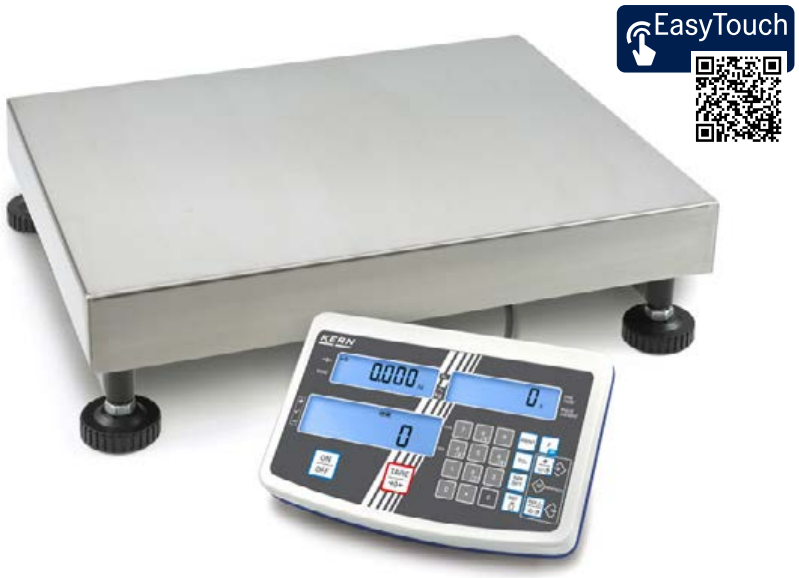
Counting scale KERN IFS




A


1


2


2

- Cable length of display device approx. approx. 3 m
- Permissible ambient temperature -10 °C/40 °C

Industrial counting scale with convenient decimal keypad for easy data entry - now also with EC type approval [M], counting resolution up to 75000 points

Features

- Tough industry standard suitable for use in harsh industrial applications
- Ergonomic display device with large keypad and high-contrast LCD display for easy entry and reading of, e.g., tare weights, reference weights, limit values etc.
- Three displays for weight display (verifiable), reference weight, total pieces
- 100 item memories for master data such as reference weight, reference quantity, container weight (PRE-TARE) etc.
- Precise counting: The manual reference weight optimisation gradually improves the average value of the piece weight
- Totalising of pieces when counting
- Printout with date and time
- Protective working cover included with delivery

Technical data

- Large backlit LCD displays, digit height 16,5 mm
- Weighing plate dimensions, stainless steel
  - A W×D×H 230×230×110 mm
  - B W×D×H 300×240×110 mm
  - C W×D×H 400×300×120 mm
  - D W×D×H 500×400×140 mm
  - E W×D×H 650×500×140 mm
- Dimensions of display device W×D×H 260×150×65 mm

Accessories

- Protective working cover, scope of delivery 5 items, KERN KFB-A02S05
- Stand to elevate display device
  1 Height of stand approx. 330 mm, KERN IFB-A01
  D, E: Height of stand approx. 600 mm, KERN IFB-A02
- Internal rechargable battery pack, operating time up to 18 h without backlight, charging time approx. 12 h, must be ordered at purchase, KERN KFB-A01
- 2 ESD drain to protect against electrostatic discharge e.g. for electrostatically-charged weighing objects or people who work with the scale, KERN YGR-01
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD: CAL EXT, MEMORY, RS 232, PROTOCOL, INTERN, PCS, SUM, TOL, MULTI, DMS, 1 DAY
OPTION: ET, DAkkS +3 DAYS
FACTORY: ACCU, M +3 DAYS (IFS-M)

Model KERN	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	[Min] g	Smallest part weight [Normal] g/piece	Net weight approx. kg	Weighing plate	Verification KERN	Option DAkkS Calibr. Certificate KERN
Multi-range balance, with increasing load it switches automatically to the next largest weighing range [Max] and readout [d] and when the load is fully removed, the balance switches back to the lower range									
IFS 6K-4S	3 | 6	0,1 | 0,2	-		1	4,6	A	-	963-128
IFS 10K-4	6 | 15	0,1 | 0,2	-		2	6	B	-	963-128
IFS 30K0.2DL	12 | 30	0,2 | 0,5	-		5	11	C	-	963-128
IFS 60K0.5D	30 | 60	0,5 | 1	-		10	10	C	-	963-129
IFS 60K0.5DL	30 | 60	0,5 | 1	-		10	12	D	-	963-129
IFS 100K-3	75 | 150	1 | 2	-		25	12	D	-	963-129
IFS 100K-3L	75 | 150	1 | 2	-		25	20	E	-	963-129
IFS 300K-3	150 | 300	2 | 5	-		50	22	E	-	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.									
IFS 6K-3SM	3 | 6	1 | 2	1 | 2	20 | 40	1	6	A	965-228	963-128
IFS 6K-3M	3 | 6	1 | 2	1 | 2	20 | 40	1	6	B	965-228	963-128
IFS 10K-3M	6 | 15	2 | 5	2 | 5	40 | 100	2	6	B	965-228	963-128
IFS 10K-3LM	6 | 15	2 | 5	2 | 5	40 | 100	2	10	C	965-228	963-128
IFS 30K-3M	15 | 30	5 | 10	5 | 10	100 | 200	5	10	C	965-228	963-128
IFS 60K-2M	30 | 60	10 | 20	10 | 20	200 | 400	10	11	C	965-229	963-129
IFS 60K-2LM	30 | 60	10 | 20	10 | 20	200 | 400	10	13	D	965-229	963-129
IFS 100K-2M	60 | 150	20 | 50	20 | 50	400 | 1000	25	12	D	965-229	963-129
IFS 100K-2LM	60 | 150	20 | 50	20 | 50	400 | 1000	25	22	E	965-229	963-129
IFS 300K-2M*	150 | 300	50 | 100	50 | 100	1000 | 2000	50	22	E	965-229	963-129

* *ONLY WHILE STOCKS LAST

BALANCES & TEST SERVICE 2023

KERN PICTOGRAMS

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

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

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

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

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

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

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

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

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

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

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

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

Analogue interface:
to connect a suitable peripheral device for analogue processing of the measurements

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

Network interface:
For connecting the scale to an Ethernet network

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

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

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

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

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

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

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

Weighing units:
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) 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:
(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:
The type of protection is shown in the pictogram.

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

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

Rechargeable battery pack:
Rechargeable set

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

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

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

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

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

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

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

Verification possible:
The time required for verification is specified in the pictogram

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

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

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

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

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