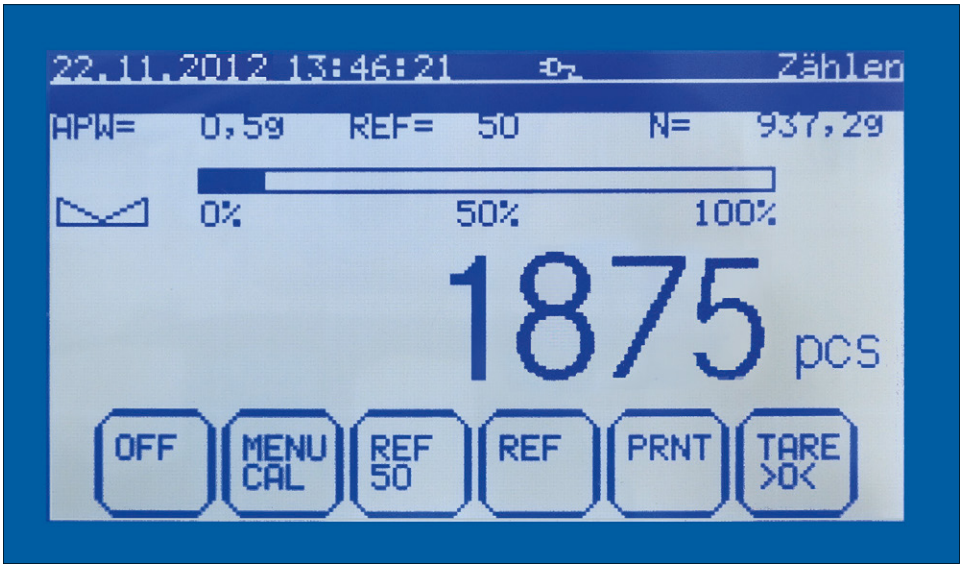
Bench scale KERN FKT(SK)



Touchscreen industrial scale with enormous range of functions, also with EC type approval [M]



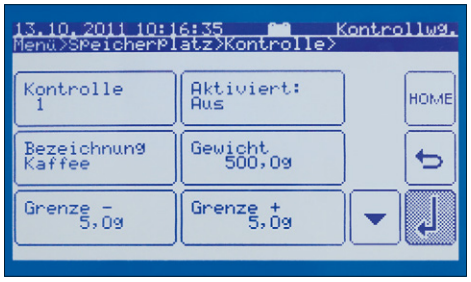
Display at full size, operating mode Counting



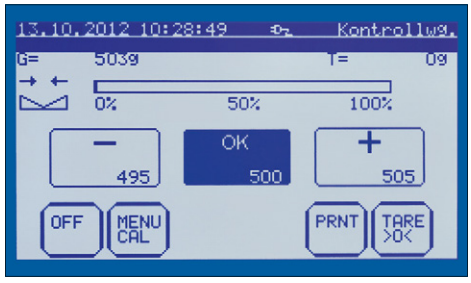
Clear menu structure with the keys labelled with plain text and touch-sensitive display
The menu and processes are self-explanatory. This reduces the training times, avoids operating errors and in this way, ensures more efficient functionality



Easy input of text and values
e.g. item descriptions, user name, weights for tare containers, etc. using large keypad



80 memories for each mode (FKT-M: 40)
p. ex. for checkweighing, pre-tare, reference weight, target weight when dispensing etc.



Weighing with tolerance range (checkweighing): a visual and audible signal helps with portion division, dispensing or grading

Bench scale KERN FKT

Features

- **Innovative touchscreen**: Large touch-sensitive, backlit screen with very good contrast for easy operation and convenient reading
- **Convenient recipe weighing:** 99 recipes each with 10 components can be stored in plain text (FKT-M: 5 recipes each with 7 components). The recipes can be edited easily at the PC (in Excel) and then transferred to the balance using the RS-232 data interface
- 16 print forms which can store up to 20 pieces of information, such as, for example, date, time, operator, item, net, tare, gross, PCS, target weight, pretare etc.
- The print forms and recipes can be set up easily as an Excel spreadsheet and then uploaded straight to the balance using an RS-232 interface. Alternatively, the recipes can also be entered directly using the input touch pad
- Data interfaces as standard:
  Data interface RS-232
  To connect the balance to a printer, PC or network
  2 **Control outputs (optocoupler, digital I/O)** to connect relays, signal lamps, valves etc. (35 V / 80 mA)
- **Hook for underfloor weighing** to weigh hanging loads standard for models with weighing plate sizes B

Technical data

- Back-lit LCD graphic display with digit height 18 mm, screen diagonal 5.8“ (approx. 147 mm)
- Dimensions of weighing plate WxD
  A 253x228 mm
  B 340x240 mm, see larger picture
- Overall dimensions WxDxH
  A 270x345x106 mm
  B 350x390x120 mm
- Optional battery operation, only for models with weighing plate sizes B, 6 x 1.5 V Size C not included, operating time up to 20 h
- Permissible ambient temperature 10 °C / 40 °C

Accessories

- **Protective working cover** over keyboard and housing, standard, can be reordered, for models with weighing plate sizes
  A KERN FCB-A02
  B KERN FKB-A02
- **Rechargeable battery pack external**, operating time approx. 10 h, charging time approx. 10 h, KERN KS-A01
- **Signal lamp** for visual support of weighing with tolerance range, KERN IKT-A04
- 2 **RS-232/Ethernet adapter**, to connect balances with an RS-232 interface to a network, using Ethernet, details see page 139, KERN YKI-01
- **Suitable printers** see page 138

Modes
① Weighing
② Counting
③ Dispensing
④ Recipe weighing
⑤ Checkweighing
⑥ Totalizing with daily total
⑦ Percentage determination
⑧ Animal weighing
⑨ Surface weight
⑩ Density determination, only with B, not for M ⑪ Rapid function, not for M

Functions
- Capacity display, with ① - ②, ⑦, ⑨- ⑪ Dispensing assistance (-/+), with ③, ④
- Net/Gross display, permanently on, with ① - ⑦
- Variable reference quantity, with ②
- Automatic reference optimisation, with ②
- Tare deduction numerical or from the memory unit, with ① - ⑦
- Input of item or batch description, operator etc., with ① - ⑦
- Freely programmable weighing unit, e.g. display directly in special units such as length of thread g/m, paper weight g/m², or similar, with ⑨
- Date/time, with ① - ⑪ Statistical function, with ①
- GLP printout, with ① - ⑪ Individual formatting of up to 16 printer forms, recipes, operating mode master data in MS Excel, Import using RS-232, for examples, see the internet, with ① - ⑪

STANDARD: CAL EXT, MEMORY, RS 232, GLP PROTOCOL, PCS, B RECIPE, % PERCENT, UNIT, TOL, MOVE, UNDER B, BATT B, 230 V, DMS, 1 DAY, 3 YEARS WARRANTY

OPTION: ACCU, DKD +3 DAYS

FACTORY: M +7 DAYS

Model KERN	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Repro-ducibility g	Linea-rity g	Min. piece weight [Counting] g/piece	Weighing plate		Options: Verification M III KERN		Options: DKD Calibr. Certificate DKD KERN	
FKT 6K0.1	6	0,1	–	–	0,1	± 0,2	0,1	A		–		963-128	
FKT 12K0.2	12	0,2	–	–	0,2	± 0,4	0,2	A		–		963-128	
FKT 30K0.5L	30	0,5	–	–	0,5	± 1	0,5	B		–		963-128	
FKT 60K1L	60	1	–	–	1	± 2	1	B		–		963-129	
High-resolution display													
FKT 6K0.02	6	0,02	–	–	0,04	± 0,1	0,02	A		–		963-128	
FKT 6K0.02L	6	0,02	–	–	0,04	± 0,1	0,02	B		–		963-128	
FKT 12K0.05	12	0,05	–	–	0,05	± 0,15	0,05	A		–		963-128	
FKT 16K0.05L	16	0,05	–	–	0,1	± 0,25	0,05	B		–		963-128	
FKT 24K0.1	24	0,1	–	–	0,1	± 0,3	0,1	A		–		963-128	
FKT 36K0.1L	36	0,1	–	–	0,2	± 0,5	0,1	B		–		963-128	
FKT 65K0.2L	65	0,2	–	–	0,4	± 1	0,2	B		–		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.													
FKT 6K1LM	6	1	1	20	0,5	± 0,5	1	B		950-128		963-128	
FKT 12K2LM	12	2	2	40	1	± 1	1	B		950-128		963-128	
FKT 30K5LM	30	5	5	100	2,5	± 2,5	5	B		950-128		963-128	
FKT 60K10LM	60	10	10	200	5	± 5	10	B		950-129		963-129	

KERN Pictograms

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

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

Memory: Balance contains memories, e.g. for item data, weighing data, tare weights etc. PLU.

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 peripheral devices. High tolerance against electromagnetic disturbance.

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

Bluetooth data interface: To transfer data from the balance to a printer, PC or other peripheral devices.

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

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

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

GLP/ISO record keeping: of weighing data with date, time and identification-no. Only with printers from KERN.

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

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

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

Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through displays. Additional convenient functions, such as barcode and back calculation functions.

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

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

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

Vibration-free weighing: (Animal weighing program) Vibrations are filtered out so that a stable weight is obtained.

Spray and dust protection IPxx: The type of protection is shown by the pictogram. For details see the glossary.

Stainless steel: the balance is protected against corrosion.

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.

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

Power supply: integrated in balance. 230V/50Hz in Germany. More standards e. g. GB, AUS, USA on request.

Strain gauges: Electrical resistor on an elastic deforming body.

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

Electromagnetic force compensation: Coil in a permanent magnet. For the most accurate weighings.

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.

DKD calibration possible: The time required for DKD calibration is shown in days in the pictogram.

Package shipment: The time required to manufacture the product internally is shown in days in the pictogram.

Pallet shipment: The time required to manufacture the product internally is shown in days in the pictogram.

Warranty: The warranty period is shown in the pictogram.

Precision is our business

To ensure the high precision of your balance KERN offers you the the appropriate test weight package for your balance, consisting of the test weight, box and DKD certificate, as proof of ist accuracy ... the best pre-requisite for proper balance calibration.

In the extensive KERN test weight range, you will find test weights in the international OIML error limit classes: E1, E2, F1, F2, M1, M2, M3 with weights from 1 mg - 2000 kg.

The KERN DKD calibration laboratory for electronic balances and weights has been accredited by DKD since 1994 and today is one of the most modern and best-equipped DKD calibration laboratories for balances, test weights and force-measurement in Europe.
(DKD = German Calibration Service)

Thanks to the high level of automation, we can carry out DKD calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

Range of services:
- DKD calibration of balances with a maximum load of up to 6 t
- DKD calibration of weights in the range of 1 mg – 500 kg
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DKD calibration certificates in the following languages D, GB, F, I, E, NL, PL

Do you have questions about your scale, the corresponsing test weight or the calibration service ? Your KERN specialist dealer will be pleased to assist you.

Your KERN specialist dealer: