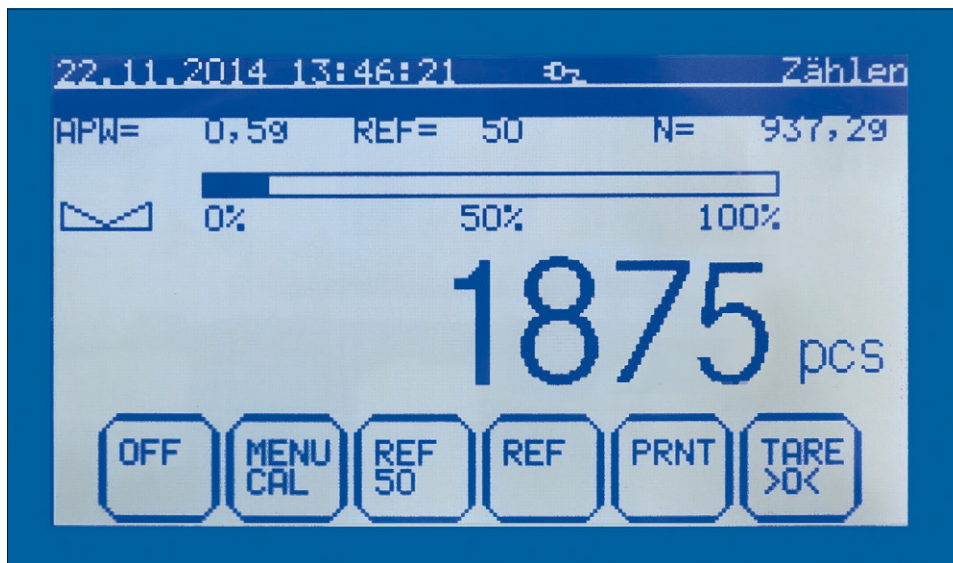


Bench scale KERN FKT



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



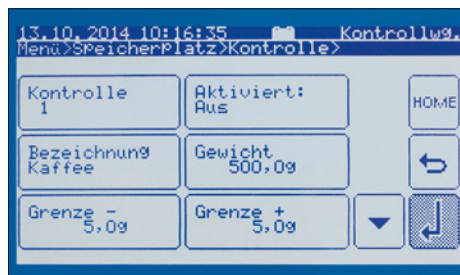
Display at full size, operating mode Counting

- **Innovative touchscreen:** Large touch-sensitive, backlit screen with very good contrast for easy operation and convenient reading
- **Advantages:**
 - The menu and processes are self-explanatory
 - No more errors or lost time through keys with several functions assigned to them or unclear markings
 - Large keys, which can also be operated while wearing gloves
 - More efficient, rapid operation



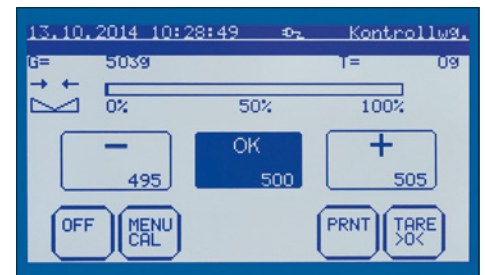
Easy entering of text and values

e.g. up to 80 item descriptions, user name, weights for tare containers, etc. using large keypad



80 memories for each mode (FKT-M: 40)

e.g. for checkweighing, PRE-TARE, reference weight, target weight when dispensing etc.



Weighing with tolerance range

(checkweighing): a visual and audible signal helps with portioning, dispensing or grading

Bench scale KERN FKT

Features

- **Convenient recipe weighing:** 99 recipes with 10 components each can be stored in plain text (FKT-M: 5 recipes with 7 components each). If there is an excess amount of one recipe ingredient the practical back calculation function automatically calculates the new target weights of the other ingredients. The actual and target values and the proportional percentage can then be printed. The recipes can be generated easily in an Excel list at the PC and transferred to the balance using the RS-232 interface. Alternatively, the recipes can also be entered directly using the keypad
- **Multiplier function:** recipes where the ingredients have been recorded as percentages can easily be multiplied when a new target weight is entered, target weight, which is ideal for the production of larger containers, bulk packs etc.
- **16 print forms** which can store up to 20 pieces of information, such as, e.g. date, time, operator, item, net, tare, gross, PCS, target weight, PRE-TARE etc. The print forms can be created easily in an Excel list at the PC and transferred to the balance using the RS-232 interface
- **Rapid function** for shortened stabilisation time with reduced resolution
- **Control outputs (optocoupler, digital I/O)** to connect relays, signal lamps, valves etc. (35 V / 80 mA)
- **Hook for underfloor weighing** of hanging loads standard for models with weighing plate size **B**

Technical data

- Backlit LCD graphic display with digit height 18 mm, screen diagonal 5.8" (approx. 147 mm)
- Weighing plate dimensions WxD
 - A** 253x228 mm
 - B** 340x240 mm, see enlarged picture
- Overall dimensions WxDxH
 - A** 270x345x106 mm
 - B** 350x390x120 mm
- Optional battery operation, only for models with weighing plate size **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 retrofitted, for models with weighing plate size
 - A** KERN FCB-A02
 - B** KERN FKB-A02
- **Rechargeable battery pack external**, operating time up to 10 h with backlight, charging time approx. 10 h, not for FKT-M, KERN KS-A01
- **Signal lamp** for visual support of weighing with tolerance range, for details see page 160, KERN IKT-A04
- **RS-232/Ethernet adapter**, to connect balances with an RS-232 interface to a network via Ethernet, for details see page 158, KERN YKI-01
- **Suitable printers** and an extensive accessories range, see page 157 ff.

Modes

- ① Weighing
- ② Counting
- ③ Dispensing
- ④ Recipe weighing
- ⑤ Checkweighing
- ⑥ Totalising 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, ⑤ - ⑦, ⑨ - ⑪
- Dispensing aid (-/+), with ③, ④
- Net/Gross display, permanent on, with ①, ③ - ⑤, ⑧ - ⑪
- Variable reference quantity, with ②
- Automatic reference optimisation, with ②
- Tare deduction numerical or from the memory unit, with ① - ⑦, ⑩
- Input of item or batch description, operator etc., with ① - ⑦, ⑩
- Freely programmable weighing unit, e.g. direct display in special units such as length of thread g/m, grammage g/m², or similar, with ⑨
- Date/time, with ① - ⑩
- Statistical function, with ①
- GLP printout, with ① - ⑩
- Individual formatting of up to 16 printer forms, recipes, operating mode master data in MS Excel, import via RS-232, for examples, see the internet, with ① - ⑩

STANDARD











































OPTION

FACTORY

Model	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimum load [Min] g	Reproducibility g	Linearity g	Min. piece weight [Counting] g/piece	Weighing plate	Options			
									Verification		DAkKS Calibr. Certificate	
									MID KERN		DAkKS 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 readout												
FKT 6K0.02L	6	0,02	-	-	0,04	± 0,1	0,02	B	-		963-128	
FKT 16K0.05L	16	0,05	-	-	0,1	± 0,25	0,05	B	-		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: Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).	 Recipe level A: Separate memory for the weight of the tare container and the recipe ingredients (net total).	 Suspended weighing: Load support with hook on the underside of the balance.
 Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required.	 Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.	 Battery operation: Ready for battery operation. The battery type is specified for each device.
 Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.	 Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. Additional convenient functions, such as barcode and back calculation functions.	 Rechargeable battery pack: Rechargeable set.
 Data interface RS-232: To connect the balance to a printer, PC or network.	 Totalising level A: The weights of similar items can be added together and the total can be printed out.	 Mains adapter: 230V/50Hz in standard version for EU. On request GB, AUS or USA version available.
 RS-485 data interface: To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.	 Totalising level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. Additional convenient functions, such as barcode and back calculation.	 Power supply: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.
 USB data interface: To connect the balance to a printer, PC or other peripherals.	 Strain gauges: Electrical resistor on an elastic deforming body.	 Tuning fork principle: A resonating body is electromagnetically excited, causing it to oscillate.
 Bluetooth data interface: To transfer data from the balance to a printer, PC or other peripherals.	 Percentage determination: Determining the deviation in % from the target value (100 %).	 Electromagnetic force compensation: Coil inside a permanent magnet. For the most accurate weighings.
 WLAN data interface: To transfer data from the balance to a printer, PC or other peripherals.	 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.	 Single cell technology: Advanced version of the force compensation principle with the highest level of precision.
 Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.	 Weighing with tolerance range: Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.	 Verification possible: The time required for verification is specified in the pictogram.
 Interface for second balance: For direct connection of a second balance.	 Vibration-free weighing: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.	 DAkkS calibration possible: The time required for DAkkS calibration is shown in days in the pictogram.
 Network interface: For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.	 Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram. For details see the glossary.	 Package shipment: The time required for internal shipping preparations is shown in days in the pictogram.
 GLP/ISO log: The balance displays the weight, date and time, regardless of a printer connection.	 ATEX explosion protection: Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.	 Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram.
 GLP/ISO log: With weight, date and time. Only with KERN printers, see "Accessories"	 Stainless steel: The balance is protected against corrosion.	 Warranty: The warranty period is shown in the pictogram.
 Piece counting: Reference quantities selectable. Display can be switched from piece to weight.		

Precision is our business

To ensure the high precision of your balance KERN offers you the the appropriate test weight in the international OIML error limit classes E1-M3 from 1 mg - 2000 kg. In combination with a DAkkS calibration certificate the best pre-requisite for proper balance calibration.

The KERN DAkkS calibration laboratory today is one of the most modern and best-equipped DAkkS calibration laboratories for balances, test weights and force-measurement in Europe.

Your KERN specialist dealer:

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

Range of services:

- DAkkS calibration of balances with a maximum load of up to 6 t
- DAkkS 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
- DAkkS calibration certificates in the following languages D, GB, F, I, E, NL