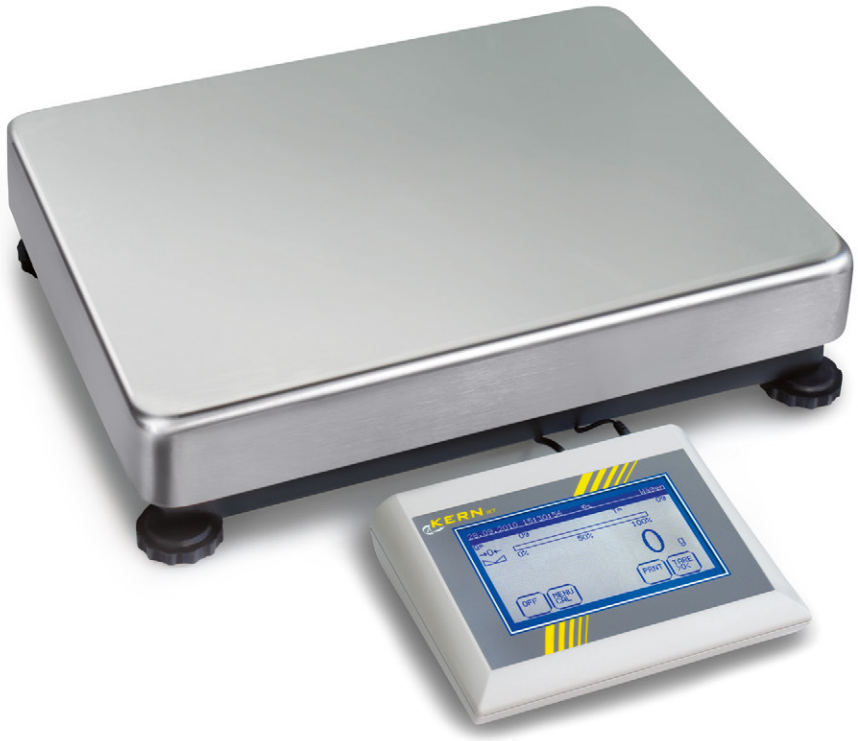
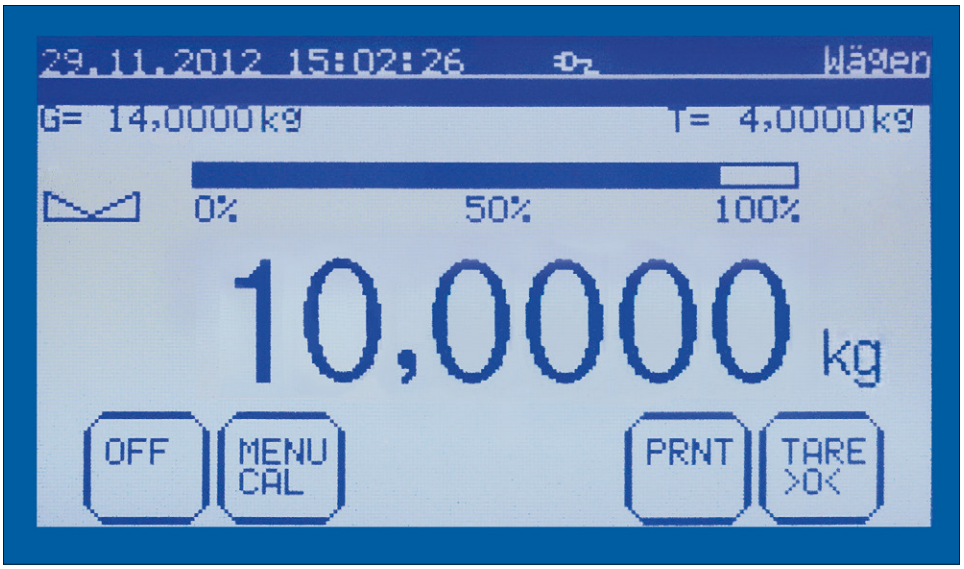
Industrial platform scale KERN IKT(SK)



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



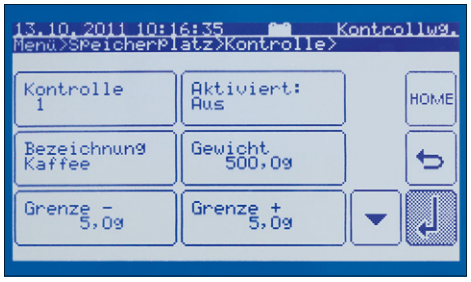
Display at full size, operating mode weighing



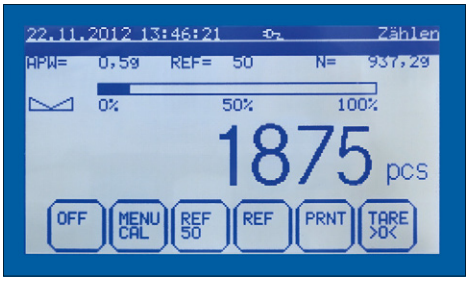
Clear menu structure with the keys labelled with plain text and touch-sensitive display
The menu and processes are self-explanatory. This reduces the training times, avoids operating errors and in this way, ensures more efficient, rapid operation



Easy input of text and values using large keypad



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



Professional counting function
All relevant counting information at a glance, such as, for example, reference weight, reference quantity, total count, total weight, tare container weight, available weighing range and much more

Industrial platform scale KERN IKT

Features

- **Innovative touchscreen:** Large touch-sensitive, backlit screen with very good contrast for easy operation and convenient reading
- **Advantages**:
  - No more errors or lost time through keys which have several functions or unclear markings
  - Large keys, which can also be operated while wearing gloves
- **Convenient recipe weighing:** 99 recipes each with 10 components can be stored in plain text (IKT-M: 5 recipes each with 7 components)
- **Control outputs (optocoupler, digital I/O)** to connect relays, signal lamps, valves etc. (35 V / 80 mA)

Technical data

- Back-lit LCD graphic display with digit height 18 mm, screen diagonal 5.8“ (approx. 147 mm, WxH 108x74 mm)
- Dimensions of weighing plate stainless steel WxDxH A 228x228x70 mm, B 315x305x75 mm
  C 450x350x115 mm, see larger picture
  D 650x500x142 mm
- Dimensions of display device WxDxH 200x155x68 mm
- Cable length of display device for weighing plate size A, B, D approx. 2 m, C approx. 0,6 m
- Permissible ambient temperature 10 °C / 40 °C

Accessories

- **Protective working cover** over the display device standard, KERN IKT-A01
- **Rechargeable battery pack external**, operating time up to 10 h, charging time approx. 10 h, can be retrofitted, KERN KS-A01
- **Set for underfloor weighing**, consisting of platform, handle and hook, only for models with weighing plate sizes B, KERN DS-A01
- **Signal lamp** for visual support of weighing with tolerance range, KERN IKT-A04
- **RS-232/Ethernet adapter**, to connect balances with an RS-232 interface to a network, using Ethernet, details see page 139, KERN YKI-01
- **Stand** to elevate display device, height of stand approx. 480 mm, only for models with weighing plate sizes B, C, KERN IKT-A06
- **Wall mount** for display device, KERN IKT-A03
- **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, 230 V, DMS, 1 DAY, 3 YEARS WARRANTY
OPTION: ACCU, UNDER B, 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	Min. piece weight [Counting] g/piece	Net weight approx. kg	Weighing plate		Options: Verification M III KERN		Options: DKD Calibr. Certificate DKD KERN	
IKT 6K0.1	6	0,1	–	–	0,1	7,5	B		–		963-128	
IKT 12K0.2	12	0,2	–	–	0,2	7,5	B		–		963-128	
IKT 30K0.5	30	0,5	–	–	0,5	7,5	B		–		963-128	
IKT 60K1L	60	1	–	–	1	9,5	C		–		963-129	
IKT 120K2L	120	2	–	–	2	9,5	C		–		963-129	
IKT 150K2XL	150	2	–	–	2	20	D		–		963-129	
IKT 300K5XL	300	5	–	–	5	20	D		–		963-129	
High-resolution display												
IKT 3K0.01S	3	0,01	–	–	0,01	5,1	A		–		963-127	
IKT 8K0.05	8	0,05	–	–	0,05	7,5	B		–		963-128	
IKT 10K0.1S	10	0,1	–	–	0,1	5,1	A		–		963-128	
IKT 16K0.1	16	0,1	–	–	0,1	7,5	B		–		963-128	
IKT 30K0.1	30	0,1	–	–	0,1	7,5	B		–		963-128	
IKT 30K0.1L	30	0,1	–	–	0,1	9,5	C		–		963-128	
IKT 36K0.2	36	0,2	–	–	0,2	7,5	B		–		963-128	
IKT 36K0.2L	36	0,2	–	–	0,2	9,5	C		–		963-128	
IKT 60K0.2L	60	0,2	–	–	0,2	9,5	C		–		963-129	
IKT 65K0.5L	65	0,5	–	–	0,5	9,5	C		–		963-129	
IKT 100K0.5L	100	0,5	–	–	0,5	9,5	C		–		963-129	
IKT 150K1L	150	1	–	–	1	9,5	C		–		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.												
IKT 6K1M	6	1	1	20	1	7,5	B		950-128		963-128	
IKT 12K2M	12	2	2	40	2	7,5	B		950-128		963-128	
IKT 30K5M	30	5	5	100	5	7,5	B		950-128		963-128	
IKT 60K10LM	60	10	10	200	10	9,5	C		950-129		963-129	
IKT 120K20LM	120	20	20	400	20	9,5	C		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: