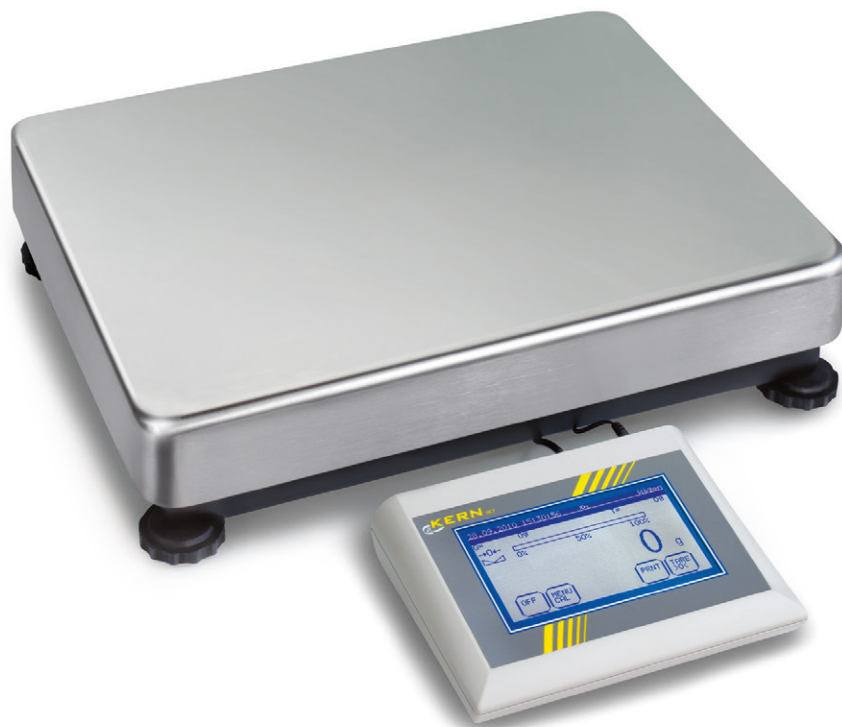
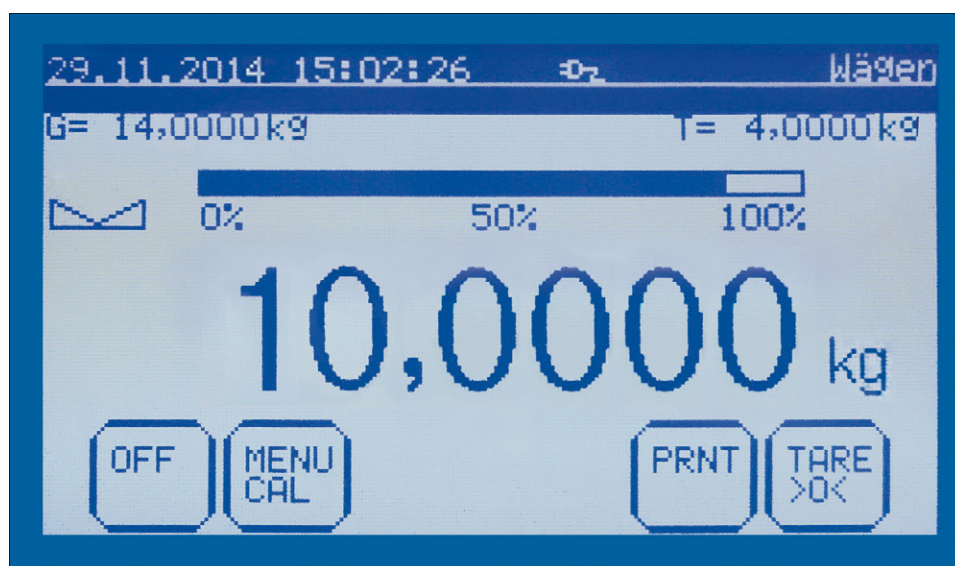


Industrial platform scale KERN IKT



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

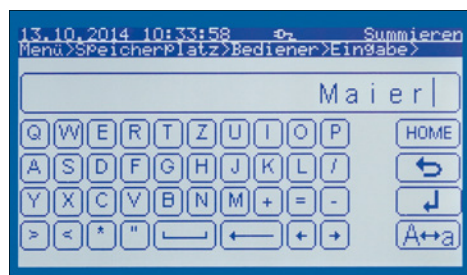


Display at full size, operating mode weighing

• **Innovative touchscreen:** High-contrast, backlit and touch-sensitive display for easy operation and convenient reading

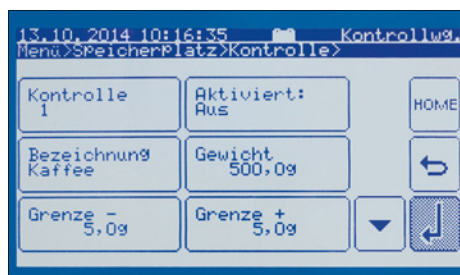
• **Advantages:**

- The menu and processes are self-explanatory
- No more errors or lost time through keys which have several functions assigned to them or unclear markings
- Large keys, which can also be operated when wearing gloves
- More efficient, rapid operation



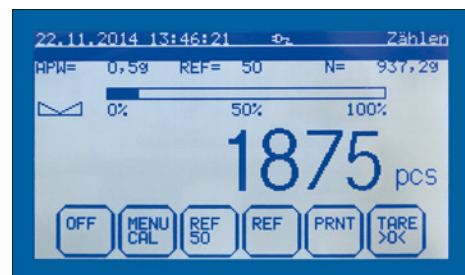
Easy entering of text and values

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



80 memories for each mode

(IKT-M: 40) e.g. for checkweighing, PRE-TARE, reference weight, target weight for dispensing etc.



Professional counting function

All relevant counting information at a glance, such as, e.g. reference weight, reference quantity, total count, total weight, tare container weight, available weighing range and much more

Industrial platform scale KERN IKT

Features

- **Convenient recipe weighing:** 99 recipes each with 10 components can be stored in plain text (IKT-M: 5 recipes each with 7 components). If there is an excess amount of one 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
- **Multiplier function:** recipes where the ingredients have been recorded as percentages can easily be multiplied when entering the new target weight, which is ideal for the production of larger containers, bulk packs etc.
- **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)

Technical data

- Backlit LCD graphic display with digit height 18 mm, screen diagonal 5.8" (approx. 147 mm, WxH 108x74 mm)
- Weighing plate dimensions, stainless steel, WxDxH
 - A 228x228x70 mm, B 318x308x75 mm
 - C 450x350x115 mm, see enlarged picture
 - D 650x500x142 mm

- Dimensions of display device WxDxH 200x155x68 mm
- Cable length of display device for weighing plate size
 - A approx. 1 m 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 20 h without backlight, charging time approx. 10 h, can be retrofitted, not for IKT-M, KERN KS-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, via Ethernet, for details see page 158, KERN YKI-01
- **Set for underfloor weighing,** consisting of platform, handle and hook, only for models with weighing plate size B, KERN DS-A01
- **Stand** to elevate display device, height of stand approx. 480 mm, only for models with weighing plate size B, C, KERN IKT-A06
- **Wall mount** for display device, KERN IKT-A03
- **Suitable printers** de 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 with ①, ③ - ⑤, ⑧ - ⑩
- Variable reference quantity, with ②
- Automatic reference optimisation, with ②
- PRE-TARE 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. display direct 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 using 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	Min. piece weight [Counting] g/piece	Net weight approx. kg	Weighing plate	Options			
								Verification		DAkkS Calibr. Certificate	
								M III KERN		DAkkS 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 readout											
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: 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