Industrial platform scale KERN IKT
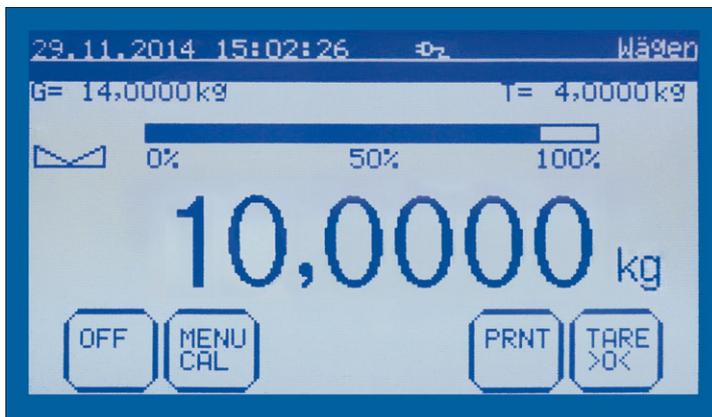
PREMIUM ★★★

i Alibi memory

- Ring memory for up to 49,152 measuring results (744 measuring results per day!)

- Saved measuring results cannot be changed or cleared. If the maximum memory capacity is reached, then the oldest value will be overwritten

- In addition to the measuring result, the date, time, tare value, a sequential number and the serial number of the balance are also saved.

- Saved measuring results can be searched and recalled easily

- The alibi memory can also be used for applications which do not require verification

- Complies with WELMEC 2.5

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

Innovative touchscreen: 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 wich have several functions assigned to them or unclear markings
- Large keys, which can also be operated, when wearing gloves
- More efficient, faster and safer working

Platform: Weighing plate stainless steel, painted steel base A, B, D, aluminium casting D, protection against dust and water splashes IP65, silicone-coated aluminium load cell

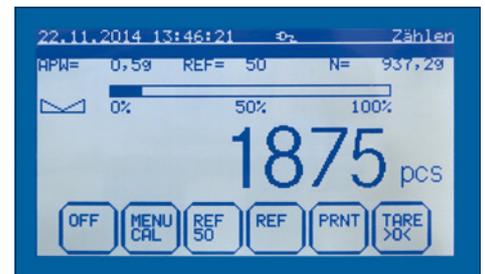**Display at full size**, **operating mode weighing**

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

80 memories for each mode
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

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Features

- If one recipe ingredient is overweight, then the **practical recipe adjustment function** for when dosages are exceeded automatically calculates the new target weights of the other ingredients. The actual and target values and the proportionate percentage can then be printed
- **Multiplier function:** recipes with the ingredient weights recorded as percentage values can easily be replicated by entering a new target weight. The ideal solution for the preparation of larger containers, bulk packs etc.
- **Rapid function** for shortened stabilisation time with reduced readout
- **Control outputs (optocoupler, digital I/O)** to connect relays, signal lamps, valves etc.

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
  - Ⓐ 228x228x90 mm
  - Ⓑ 318x308x75 mm
  - Ⓒ 450x350x115 mm, see enlarged picture
  - Ⓓ 650x500x142 mm
- Dimensions of display device WxDxH 200x155x68 mm
- Cable length of display device for weighing plate size, Ⓐ approx. 1 m, Ⓑ, Ⓓ approx. 2 m, Ⓒ approx. 0,6 m
- Permissible ambient temperature 10 °C / 40 °C

Accessories

- **Protective working cover** over the display device standard. Can be re-ordered, scope of delivery: 5 items, 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 180, KERN YKI-01
- **RS-232/USB adapte**, to connect peripheral devices with USB connection, for details see page 181, KERN AFH 12
- **Set for underfloor weighing**, only for models with weighing plate size Ⓑ, KERN DS-A01
- **Stand** to elevate display device, height of stand approx. 480 mm, only for models with weighing plate size Ⓑ, Ⓒ, KERN IKT-A06
- **Wall mount** for display device, KERN IKT-A03
- **Suitable printers** see page 177 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 Ⓑ
⑪ Rapid function, not for

Functions
- Capacity display, with ① - ②, ⑤ - ⑦, ⑨ - ⑪
- Dispensing aid (subtractive/additive), with ③, ④
- Net/gross display, permanent, with ①, ③ - ⑤, ⑧ - ⑪
- Variable reference quantity, with ②
- Automatic reference optimisation, with ②
- PRE-TARE numerical or from the memory unit, with ① - ⑦, ⑪
- Input of item or batch description, operator etc., with ① - ⑦
- 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 - 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 via RS-232, for examples, see the internet, with ① - ⑪

STANDARD														OPTION		FACTORY
CAL EXT / ILT-NM	MEMORY	ALIBI	RS 232	SWITCH	PCS	RECIPE ᴮ	SUM ᴬ	PERCENT	UNIT	TOL	MOVE	MULTI ᴮ	DMS	1 DAY	3 YEARS WARRANTY	ACCU (not IKT-M)	UNDER ᴮ / DAkkS +3 DAYS	M +3 DAYS (only IKT-M)

Model KERN	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 Ⓜ KERN	DAkkS Calibr. Certificate DKD KERN	
IKT 6K0.1	6	0,1	–	–	0,1	7,5	Ⓑ		–	–	963-128
IKT 12K0.2	12	0,2	–	–	0,2	7,5	Ⓑ		–	–	963-128
IKT 30K0.5	30	0,5	–	–	0,5	7,5	Ⓑ		–	–	963-128
IKT 60K1L	60	1	–	–	1	9,5	Ⓒ		–	–	963-129
IKT 120K2L	120	2	–	–	2	9,5	Ⓒ		–	–	963-129
IKT 150K2XL	150	2	–	–	2	20	Ⓓ		–	–	963-129
IKT 300K5XL	300	5	–	–	5	20	Ⓓ		–	–	963-129
High-resolution display											
IKT 3K0.01S	3	0,01	–	–	0,01	5,1	Ⓐ		–	–	963-127
IKT 8K0.05	8	0,05	–	–	0,05	7,5	Ⓑ		–	–	963-128
IKT 10K0.1S	10	0,1	–	–	0,1	5,1	Ⓐ		–	–	963-128
IKT 16K0.1	16	0,1	–	–	0,1	7,5	Ⓑ		–	–	963-128
IKT 30K0.1	30	0,1	–	–	0,1	7,5	Ⓑ		–	–	963-128
IKT 30K0.1L	30	0,1	–	–	0,1	9,5	Ⓒ		–	–	963-128
IKT 36K0.2	36	0,2	–	–	0,2	7,5	Ⓑ		–	–	963-128
IKT 36K0.2L	36	0,2	–	–	0,2	9,5	Ⓒ		–	–	963-128
IKT 60K0.2L	60	0,2	–	–	0,2	9,5	Ⓒ		–	–	963-129
IKT 65K0.5L	65	0,5	–	–	0,5	9,5	Ⓒ		–	–	963-129
IKT 100K0.5L	100	0,5	–	–	0,5	9,5	Ⓒ		–	–	963-129
IKT 150K1L	150	1	–	–	1	9,5	Ⓒ		–	–	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	Ⓑ		965-228	963-128
IKT 12K2M	12	2	2	40	2	7,5	Ⓑ		965-228	963-128
IKT 30K5M	30	5	5	100	5	7,5	Ⓑ		965-228	963-128
IKT 60K10LM	60	10	10	200	10	9,5	Ⓒ		965-229	963-129
IKT 120K20LM	120	20	20	400	20	9,5	Ⓒ		965-229	963-129

KERN Pictograms:

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

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

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

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

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

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

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

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

Rechargeable battery pack: Rechargeable set.
ACCU

Alibi memory: Electronic archiving of weighing results, complying with the 2009/23/EC standard.
ALIBI

Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, adjustment of recipe when dosages are exceeded, multiplier function, barcode.
RECIPE C

Universal mains adapter: with universal input and optional input socket adapters for
A) EU, GB
B) EU, GB, CH, USA
C) EU, GB, CH, USA, AUS
MULTI

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

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

RS-485 data interface: To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.
RS 485

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

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

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

Totalising level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, adjustment of recipe when dosages are exceeded, multiplier function, barcode recognition.
SUM C

Weighing principle: Strain gauge Electrical resistor on an elastic deforming body.
DMS

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

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

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

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

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

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

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.
UNIT

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

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

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

Verification possible: The time required for verification is specified in the pictogram.
M +3 DAYS

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

Hold function: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.
MOVE

DAkkS calibration possible (DKD): The time required for DAkkS calibration is shown in days in the pictogram.
DAkkS +3 DAYS

Wireless data transfer: between the weighing unit and the evaluation unit using an integrated radio module.
RC

Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram.
IP

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

GLP/ISO log: The balance displays the weight, date and time, regardless of a printer connection.
GLP INTERN

ATEX explosion protection: Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.
ATEX

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

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

Stainless steel: The balance is protected against corrosion.
INOX

Warranty: The warranty period is shown in the pictogram.
3 YEARS WARRANTY

KERN – 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.
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 50 t
- DAkkS calibration of weights in the range of 1 mg – 2500 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, PL

Your KERN specialist dealer: