Counting scale KERN CPB
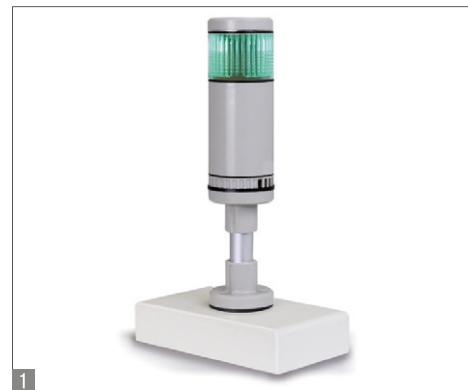

Note:
Official verification duty for commercial trade. The verification only refers to the weight of the counted parts

Professional model, also with EC type approval [M], counting resolution up to 60,000 points

Features

- **Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- **Programmable using numerical key pad:**
  - required reference quantity
  - known reference weight
- **Three displays for**
  - Total weight (verifiable)
  - Piece weight
  - Total count
- **Audible Fill-to-target:** target quantity or target weight can be programmed. When the target value is reached, a signal will sound
- **Counting results memory:** adds up all individual piece counts, result is shown in total weight and total pieces

- **PRE-TARE function** for manual subtraction of a known container weight, value can be saved
- **Energy management:** Backlight turns off after 5 sec
- **Two balances in one:** Changes from counting mode to weighing mode at the touch of a key

Technical data

- Large backlit LCD displays, digit height 20 mm
- Weighing plate dimensions, stainless steel, WxD 295x225 mm
- Overall dimensions WxDxH 320x350x125 mm
- Net weight approx. 3,2 kg
- Permissible ambient temperature 0 °C / 40 °C

Accessories

- **Protective working cover**, can be retrofitted, scope of delivery: 5 items, KERN CFS-A02S05
- **Rechargeable battery pack internal**, operating time up to 90 h without backlight, charging time approx. 12 h, can be retrofitted, KERN GAB-A04
- **1 Signal lamp** for visual support of weighing with tolerance range, for details see page 181, KERN CFS-A03
- **Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp and printer, for details see page 181, KERN CFS-A04
- **Suitable printers** and further, extensive accessories from page 177 ff.

| STANDARD								OPTION		FACTORY
CAL EXT	RS 232	PCS	SUM	TOL	MULTI	DMS	1 DAY	ACCU	DAkkS +3 DAYS	M +3 DAYS only CPB-DM

Model KERN	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimum load [Min] g	Min. piece weight [Counting] g/piece		Options	
							Verification M KERN	DAkkS Calibr. Certificate DKD KERN
CPB 6K0.1N	6	0,1	–	–	0,1		–	963-128
CPB 15K0.2N	15	0,2	–	–	0,25		–	963-128
CPB 30K0.5N	30	0,5	–	–	0,5		–	963-128
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.								
Dual-range balance switches automatically to the next largest weighing range [Max] and readout [d].								
CPB 6K1DM	3 | 6	1 | 2	1 | 2	20	0,1		965-228	963-128
CPB 15K2DM	6 | 15	2 | 5	2 | 5	40	0,25		965-228	963-128
CPB 30K5DM	15 | 30	5 | 10	5 | 10	100	0,5		965-228	963-128

KERN Pictograms:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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`

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

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`

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

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

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

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

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`

Stainless steel: The balance is protected against corrosion.
`INOX`

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

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

Rechargeable battery pack: Rechargeable set.
`ACCU`

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`

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

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

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

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

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

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

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

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

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

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

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: