



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

Features

- **Precise counting:** The automatic optimisation of reference weight gradually improves the average value of the piece weight
- **Programmable using numerical key pad:**
 - required reference quantity
 - known reference weight
- **Target piece input check-weighing with an audible signal**
- **Counting results memory:** adds up all individual counting operations, result is shown in total weight and total pieces
- **Audible Fill-to-target:** target quantity or target weight can be programmed. When the target value is reached, a signal will sound

- **High mobility:** thanks to battery operation (optional), compact, flat construction and low weight, it is suitable for use in several locations (production, warehouse, dispatch department,...)

Technical data

- Large backlit LCD displays, digit height 20 mm
- Dimensions of weighing plate (stainless steel) WxDxH 294x225 mm
- Overall dimensions WxDxH 320x350x125 mm
- Net weight approx. 3,9 kg
- Permissible ambient temperature 0 °C / 40 °C

Accessories

- Protective working cover , KERN CFS-A02
- Rechargeable battery pack internal , operating time up to 90 h without backlight, charging time approx. 14 h, can be reordered, KERN GAB-A04
- Signall amp for visual support of weighing with tolerance range, KERN CFS-A03
- 2nd data interface, Y cable for parallel connection of two terminal devices to the RS 232 interface of the balance, e.g. of a printer, signal lamp etc. KERN CFS-A04
- Suitable printers see page 130

STANDARD



OPTION

































FACTORY



only CPB-DM

Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Min. piece weight [PW min] g/piece	Options			
						Verifi cation		DKD Calibr. Certifi cate	
						M III KERN		DKD KERN	
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 (D=Dual): switches from readout d1 to readout d2 automatically									
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

 CAL INT Internal adjusting (CAL): Quick setting of the balance's accuracy with internal adjusting weight (motordriven).	 CAL EXT Adjusting program (CAL): For quick setting of the balance's accuracy. External adjusting weight required.	 MEMORY Memory: Balance contains memories, e.g. for item data, weighing data, tare weights etc. PLU
 RS 232 Data interface RS-232: To connect the balance to a printer, PC or network	 SWITCH Control outputs (optocoupler, digital I/O) to connect relays, signal lamps, valves, etc.	 DUAL Interface for second balance: for direct connection of a second balance
 LAN Network interface: For connecting the scale to an Ethernet network. With KERN products you can also use a universal RS-232/LAN converter.	 GLP PROTOCOL GLP/ISO record keeping: of weighing data with date, time and identification-no. Only with printers from KERN.	 PCS Piece counting: Reference quantities selectable. Display can be switched from piece to weight
 RECIPE Net-total weighing: weight of tare cup and weight of components memorized in two separate stores.	 % PERCENT Percentage determination: Determining the deviation in % from the target value (100%).	 UNIT Weighing units: Can be switched to e. g. nonmetric units at the touch of a key. See balance model. Please refer to KERN's website for more details.
 TOL Weighing with tolerance range: Upper and lower limiting can be programmed individually, e.g. dosing/sorting and portioning.	 MOVE Vibration-free weighing: (Animal weighing program) Vibrations are filtered out so that a stable weight is obtained.	 IP Spray and dust protection IPxx: The type of protection is shown by the pictogram. For details see the glossary.
 INOX Stainless steel: the balance is protected against corrosion.	 UNDER Suspended weighing: load support with hook on the underside of the balance.	 BATT Battery operation: Ready for battery operation. The battery type is specified for each device.
 ACCU Rechargeable battery pack: rechargeable set.	 230 V Mains adapter: 230V/50Hz in standard version for Germany. On request GB, AUS or USA version.	 230 V Power supply: integrated in balance. 230V/50Hz in Germany. More standards e. g. GB, AUS, USA on request.
 DMS Strain gauges: Electrical resistor on an elastic deforming body.	 T-FORK Tuning fork principle: A resonating body is electromagnetically excited, causing it to oscillate.	 FORCE Electromagnetic force compensation: Coil in a permanent magnet. For the most accurate weighings.
 SC TECH Single cell technology: Advanced version of the force compensation principle with the highest level of precision.	 M +3 DAYS Verification possible: The time required for verification is specified in the pictogram.	 DKD +3 DAYS DKD calibration possible: The time required for DKD calibration is shown in days in the pictogram.
 DAYS Package shipment: The time required to manufacture the product internally is shown in days in the pictogram.	 DAYS Pallet shipment: The time required to manufacture the product internally is shown in days in the pictogram.	 3 YEARS WARRANTY Warranty: The warranty period is shown in the pictogram.

Precision is our business

To ensure the high level of precision of your balance, KERN offers the appropriate test weight package for your balance. This consists of the test weight, box and DKD calibration certificate, as proof of its accuracy. The best way to ensure 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, and M3 with weights from 1 mg to 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 ~ UKAS)

Your KERN specialist dealer:

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MOB.: +386-41-819-607

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 6000 kg
- 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 corresponding test weight or the calibration service? Your KERN specialist dealer will be pleased to assist you.

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KERN – Professional measuring. Measuring technology and testing services from a single source

