



Reference scale KERN PLJ-C

Quantity scale KERN ILT

Premium counting system with EC type approval [M], for complex counting applications with the highest level of accuracy, counting resolution up to 6 million points

## Features

- **This highly accurate counting system**  
KERN CCT can replace a whole range of individual counting scales, efficiently and at a reasonable price
- Thanks to **EC type approval [M]** this counting system can also be used in verified applications, e.g. for order picking packaged items, etc.
- **Alibi Memory:** Paperless archiving of up to 100,000 weighing results For weighings where verification is mandatory, and which are to be analysed and processed by a PC, the legislative body requires electronic archiving using a verifiable, non-manipulatable data memory

- **High level of connectivity:** Thanks to a range of integrated interfaces
- **Data interface USB:** for transferring weighing data to the PC, printer, USB sticks etc.
- **Individual print formats:** Printouts can be individually adjusted depending on operating mode, application or your own requirements, directly at the balance or the PC

### Reference scale KERN PLJ-C/AEJ-C:

- The highly accurate reference balances KERN PLJ-C and AEJ-C determine the piece weight of items to be counted with the highest level of precision

- These precision balances, which can also be used as individual balances, can fulfil even the highest level of requirements for accuracy, weighing range and volume of items (up to 6 million items) through connection to a high-capacity platform scale
- **Automatic internal adjustment** in the case of a change in temperature  $\geq 3\text{ }^{\circ}\text{C}$  or time-controlled every 3 hours, guarantees high degree of accuracy
- **Internal memory** for up to 999 weighing results, 1000 items, 100 container weights, 100 users
- For additional details on the KERN PLJ-C reference scale, see page 33, KERN AEJ-CM, see page 48

# Premium counting system KERN CCT

## Quantity scale KERN ILT:

- The high-accuracy quantity counting takes place on the platform scale KERN ILT
- The counting system is operated using the premium display device of the KERN ILT bulk balance and offers the full range of functions for demanding counting applications
- **Intuitive operation using the touch display** increases efficiency and saves costs
- **Creation and recall items to be counted from the database (8 GB)** with all relevant additional data such as piece weight, name, price (for internal valuation), reference quantity, tare container weight, barcode, item image etc.
- **User-friendly batch management**
- **Fill-to-target function:** Programmable target weight. An acoustic and visual signal will be displayed when the target value is reached
- **Precise counting:** The automatic reference weight optimisation gradually improves the average value of the piece weight
- Thanks to its wide range of functions and large database, this touchscreen platform scale, which can also be used as individual scale, is particularly suitable for complex recipe or checkweighing applications, as well as classic counting and weighing applications
- For additional details on the KERN ILT quantity scale, see page 120/121

## Technical data

### PLJ-C:

- Backlit LCD display, digit height, 17 mm
- Weighing plate dimensions, stainless steel, WxD  
PLJ 300-3CM, PLJ 600-3CM: 128x128 mm  
PLJ 3000-2CM: 195x195 mm
- Connection cable approx. 15 m
- Total dimensions, WxDxH without draft shield 206x332x88 mm, draft shield incl. 206x332x170 mm
- Net weight approx. 3,6 kg (draft shield incl. approx. 4,7 kg)
- Permissible ambient temperature 15 °C/30 °C

### AEJ-C:

- Backlit LCD display, digit height, 17 mm
- Weighing plate dimensions Ø 85 mm
- Total dimensions, WxDxH 206x335x335 mm
- Net weight approx. 5 kg
- Permissible ambient temperature 18 °C / 30 °C

### ILT:

- Weighing plate dimensions, stainless steel, WxD  
A 195x195 mm  
B 300x240 mm  
C 400x300 mm  
D 500x400 mm
- Connection cable approx. 1,5 m
- Permissible ambient temperature 15 °C / 35 °C

## Accessoires

### PLJ-C:

- **WLAN interface** for wireless connection of the balance to networks and WLAN capable devices, such as tablets, laptops or Smartphones, can not be reordered, please ask for delivery time, KERN PLJ-A06

### ILT:

- **Transponder card reader**, for additional details, see page 186, KERN KET-A05
- **Transponder card**, for additional details, see page 186, KERN KET-A08
- **RS-232 barcode scanner**, for additional details, see page 184, KERN PET-A05
- **USB barcode scanner**, for additional details, see page 184, KERN PET-A09
- **USB keyboard**, for additional details, see page 185, KERN PET-A06
- **Wall mount** for display device, for additional details, see page 186, KERN KET-A02
- **Second display**, for additional details, see page 185, KERN KET-A03
- **Large display**, for additional details, see page 185, KERN KET-A06
- **Analogue/Digital converter**, for additional details, see page 186, KERN KET-A01
- **Direct thermal label printer**, for additional details, see page 184, KERN PET-A13
- **Thermal transfer and direct thermal label printer**, for additional details, see page 184, KERN PET-A14
- **Software for database management**, for additional details, see page 184, KERN KET-A04
- **PLJ-C only: Software for reading from the alibi memory in KERN balances**, for additional details, see page 179, KERN PET-A16
- **Suitable printers** and further, extensive accessories from page 177

## STANDARD






## OPTION FACTORY



Model	Quantity scale	Weighing range [Max] kg	Weighing plate	Reference scale	Weighing range [Max] g	Readout [d] g	Min. piece weight [Counting] g/piece	Options	
								Verification	DAkkS Calibr. Certif.
KERN	ILT			PLJ/AEJ					
CCT 6K-6	ILT 6K-4BAM	6	A	PLJ 300-3CM	360	0,001	0,001	965-217-216	962-128-127
CCT 10K-6	ILT 10K-3GAM	6   15	B	PLJ 300-3CM	360	0,001	0,001	965-228-216	962-128-127
CCT 10K-7	ILT 10K-3GAM	6   15	B	AEJ 200-4CM	220	0,0001	0,0001	965-228-201	962-128-101
CCT 30K-5	ILT 30K-2GAM	15   30	C	PLJ 3000-2CM	3500	0,01	0,01	965-228-216	962-128-127
CCT 60K-6	ILT 60K-2GAM	30   60	C	PLJ 600-3CM	600	0,001	0,001	965-229-216	962-129-127
CCT 60K-5	ILT 60K-2GAM	30   60	C	PLJ 3000-2CM	3500	0,01	0,01	965-229-216	962-129-127
CCT 60K-5L	ILT 60K-2LGAM	30   60	D	PLJ 3000-2CM	3500	0,01	0,01	965-229-216	962-129-127
CCT 100K-5	ILT 100K-2GAM	60   150	D	PLJ 3000-2CM	3500	0,01	0,01	965-229-216	962-129-127
CCT 100K-5L	ILT 100K-2LGAM	60   150	D	PLJ 3000-2CM	3500	0,01	0,01	965-229-216	962-129-127
CCT 300K-5	ILT 300K-2GAM	150   300	D	PLJ 3000-2CM	3500	0,01	0,01	965-229-216	962-129-127

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.

# KERN Pictograms:

 <b>Internal adjusting:</b> Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).	 <b>Piece counting:</b> Reference quantities selectable. Display can be switched from piece to weight.	 <b>Suspended weighing:</b> Load support with hook on the underside of the balance.
 <b>Adjusting program CAL:</b> For quick setting up of the balance's accuracy. External adjusting weight required.	 <b>Recipe level A:</b> Separate memory for the weight of the tare container and the recipe ingredients (net total).	 <b>Battery operation:</b> Ready for battery operation. The battery type is specified for each device.
 <b>Memory:</b> Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.	 <b>Recipe level B:</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.	 <b>Rechargeable battery pack:</b> Rechargeable set.
 <b>Alibi memory:</b> Electronic archiving of weighing results, complying with the 2009/23/EC standard.	 <b>Recipe level C:</b> 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.	 <b>Universal mains adapter:</b> with universal input and optional input socket adapters for A) EU, GB B) EU, GB, CH, USA C) EU, GB, CH, USA, AUS
 <b>Data interface RS-232:</b> To connect the balance to a printer, PC or network.	 <b>Totalising level A:</b> The weights of similar items can be added together and the total can be printed out.	 <b>Mains adapter:</b> 230V/50Hz in standard version for EU. On request GB, USA or AUS version available.
 <b>RS-485 data interface:</b> To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.	 <b>Totalising level C:</b> 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.	 <b>Power supply:</b> Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request.
 <b>USB data interface:</b> To connect the balance to a printer, PC or other peripherals.	 <b>Weighing principle: Strain gauge</b> Electrical resistor on an elastic deforming body.	 <b>Weighing principle: Tuning fork</b> A resonating body is electromagnetically excited, causing it to oscillate.
 <b>Bluetooth* data interface:</b> To transfer data from the balance to a printer, PC or other peripherals.	 <b>Percentage determination:</b> Determining the deviation in % from the target value (100 %).	 <b>Weighing principle: Electromagnetic force compensation</b> Coil inside a permanent magnet. For the most accurate weighings.
 <b>WLAN data interface:</b> To transfer data from the balance to a printer, PC or other peripherals.	 <b>Weighing units:</b> 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.	 <b>Weighing principle: Single cell technology</b> Advanced version of the force compensation principle with the highest level of precision.
 <b>Control outputs (optocoupler, digital I/O):</b> To connect relays, signal lamps, valves, etc.	 <b>Weighing with tolerance range:</b> Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.	 <b>Verification possible:</b> The time required for verification is specified in the pictogram.
 <b>Interface for second balance:</b> For direct connection of a second balance.	 <b>Hold function:</b> (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.	 <b>DAKkS calibration possible (DKD):</b> The time required for DAKkS calibration is shown in days in the pictogram.
 <b>Network interface:</b> For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.	 <b>Protection against dust and water splashes IPxx:</b> The type of protection is shown in the pictogram.	 <b>Package shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram.
 <b>Wireless data transfer:</b> between the weighing unit and the evaluation unit using an integrated radio module.	 <b>ATEX explosion protection:</b> Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.	 <b>Pallet shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram.
 <b>GLP/ISO log:</b> The balance displays the weight, date and time, regardless of a printer connection.	 <b>Stainless steel:</b> The balance is protected against corrosion.	 <b>Warranty:</b> The warranty period is shown in the pictogram.
 <b>GLP/ISO log:</b> With weight, date and time. Only with KERN printers.		

## 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: