



## Process reliability thanks to automatic internal adjustment and EC type approval [M]

### Features

- **Automatic internal adjustment** in the case of a change in temperature and time-controlled at defined intervals, guarantees high degree of accuracy and makes the balance independent of its location of use
- **1 Draught shield** standard for models with [d] = 0,001 g, weighing space W×D×H 140×140×65 mm

### PLJ-C:

- **2 Weighing principle:** Force compensation
- **Alibi memory:** electronic archiving of weighing results
- **Internal memory** for up to 999 weighing results, 1000 items or recipe ingredients, 100 container weights, 100 users
- **3 USB interface** for transferring weighing data to the PC, printer, USB sticks etc.

### PLJ-G:

- **4 Weighing principle:** Strain gauge
- **Rechargeable battery pack internal,** standard, operating time up to 45 h, without backlight, charging time approx. 12 h

### Technical data

- Backlit LCD display  
KERN PLJ-C: digit height 17 mm  
KERN PLJ-GM: digit height 19 mm
- Dimensions weighing surface, stainless steel  
**A** W×D 128×128 mm  
**B** W×D 195×195 mm, see larger picture
- Overall dimensions W×D×H  
206×333×99,5 mm (without draught shield)  
206×333×167,2 mm (incl. draught shield)
- Net weight approx. 4,2 kg
- Permissible ambient temperature 10 °C/40 °C

### Accessories

- **Protective working cover,** standard, can be re-ordered, scope of delivery: 5 items, KERN ALS-A02S05
- **Set for density determination** of liquids and solids with density  $\leq/\geq 1$ , The density is indicated directly on the display, KERN PLS-A01
- KERN PLJ-C: **WLAN interface** for wireless connection of the balance to networks and WLAN capable devices, such as tablets, laptops or smartphones, KERN PLJ-A06
- KERN PLJ-C: **Alibi memory software** for viewing and saving data from the alibi memory onto a PC connected to the system, KERN PET-A16
- Further details, plenty of further accessories and suitable printers see *Accessories*

### STANDARD











































### OPTION



Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Options		
							Verification	DAkkS Calibr. Certificate	
KERN							<b>M</b>	<b>DKD</b>	
PLJ 300-3CM	360	0,001	0,01	0,02	± 0,004	A	965-216	KERN	963-127
PLJ 600-3CM	600	0,001	0,01	0,02	± 0,004	A	965-216	KERN	963-127
PLJ 700-3CM	750	0,001	0,01	0,02	± 0,004	A	965-216	KERN	963-127
PLJ 3000-2CM	3500	0,01	0,1	0,5	± 0,04	B	965-216	KERN	963-127
PLJ 600-2GM	600	0,01	0,1	0,5	± 0,02	A	965-216	KERN	963-127
PLJ 6000-1GM	6000	0,1	1	5	± 0,2	B	965-217	KERN	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.

# 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>Rechargeable battery pack:</b> Rechargeable set.
 <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>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>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>Mains adapter:</b> 230V/50Hz in standard version for EU. On request GB, USA or AUS version available.
 <b>Alibi memory:</b> Electronic archiving of weighing results, complying with the 2014/31/EU standard.	 <b>Recipe level C:</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, multiplier function, adjustment of recipe when dosages are exceeded or barcode recognition.	 <b>Power supply:</b> Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request.
 <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>Weighing principle: Strain gauge</b> Electrical resistor on an elastic deforming body.
 <b>RS-485 data interface:</b> To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.	 <b>Percentage determination:</b> Determining the deviation in % from the target value (100 %).	 <b>Weighing principle: Tuning fork</b> A resonating body is electromagnetically excited, causing it to oscillate.
 <b>USB data interface:</b> To connect 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: Electromagnetic force compensation</b> Coil inside a permanent magnet. For the most accurate weighings.
 <b>Bluetooth* data interface:</b> To transfer data from the balance to a printer, PC or other peripherals.	 <b>Weighing with tolerance range:</b> Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.	 <b>Weighing principle: Single cell technology</b> Advanced version of the force compensation principle with the highest level of precision.
 <b>WLAN data interface:</b> To transfer data from the balance to a printer, PC or other peripherals.	 <b>Hold function:</b> (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.	 <b>Verification possible:</b> The time required for verification is specified in the pictogram.
 <b>Control outputs (optocoupler, digital I/O):</b> To connect relays, signal lamps, valves, etc.	 <b>Protection against dust and water splashes IPxx:</b> The type of protection is shown in the pictogram.	 <b>DAkKS calibration possible (DKD):</b> The time required for DAkKS calibration is shown in days in the pictogram.
 <b>Interface for second balance:</b> For direct connection of a second balance.	 <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>Package shipment:</b> The time required for internal shipping preparations 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>Stainless steel:</b> The balance is protected against corrosion.	 <b>Pallet 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>Suspended weighing:</b> Load support with hook on the underside of the balance.	 <b>Warranty:</b> The warranty period is shown in the pictogram.
 <b>GLP/ISO log:</b> The balance displays the weight, date and time, regardless of a printer connection.	 <b>Battery operation:</b> Ready for battery operation. The battery type is specified for each device.	
 <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 - 2500 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
- Volume determination and measuring of magnetic susceptibility (magnetic characteristics) for test weights
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DAkKS calibration certificates in the following languages DE, GB, FR, IT, ES, NL, PL
- Conformity evaluation and reverification of balances and test weights

## Your KERN specialist dealer: