Premium counting system KERN CCP

Quantity scale KERN KXP

Reference scale KERN ILT

Premium counting system for high-capacity counting applications with the highest level of accuracy, counting resolution up to 6 million points

Easy entering of item data using the connected barcode or RFID scanner

High level of connectivity

- 1 x Ethernet
- 2 x RS-232
- 2 x USB e.g. for data exchange or connecting barcode or RFID scanners
- 1 x WLAN
- Digital I/O (4 in/4 out) e.g. to control machines and plants
- 1 x Interface for additional display

On the basis of the KERN ILT reference balance, you can put together a wide range of high-performance counting systems, for example, with an additional bulk balance, to cover more weighing ranges - your KERN product specialist will be pleased to advise you

Premium counting system KERN CCP

Features

- **This highly accurate counting system** KERN CCP can replace a whole range of individual counting scales, efficiently and at a reasonable price
- **High level of connectivity:** Thanks to a range of integrated interfaces
- **Alibi memory:** Electronic archiving of weighing results, see also page 214
- **Data interface USB** for transferring weighing data to the PC, printer, USB sticks etc.
- **User-friendly batch management**
- **Individual print formats**

Reference scale KERN ILT:

- The counting system is operated using the KERN ILT touchscreen reference balance and offers the full range of functions for demanding counting applications
- This professional touchscreen platform scale KERN ILT which can also be used as a stand-alone scale, meets even the highest demands for accuracy, weighing range and volume of items (up to 6 millions items)
- **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.
- **Fill-to-target function:** Programmable target weight. A 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
- For additional details on the KERN ILT reference scale, see page 120/121

Quantity scale KERN KXP/KFP:

- The high-accuracy quantity counting takes place on the weighing platform (= weighing bridge) KERN KXP/KFP. In this way even the smallest of parts can be counted in large volumes
- 1 **Stainless steel weighing plate,** painted steel base, extremely resistant to bending, wing design, aluminium singlepoint load cell, 3000 e, protection against dust and water splashes IP65
- 2 **KFP only:** Weighing bridge painted steel, extremely resistant to bending due to material thickness, four load cells, steel, 3000 e, dust and spray protection IP67
- For additional details on the KERN KXP quantity scale, see page 150, KERN KFP, see page 151

Technical data

ILT:

- **Backlit and touch-sensitive LCD display** with digit height 21 mm, screen diagonal 5,7" (approx. 145 mm)
- Weighing plate dimensions, stainless steel, WxDxH
  ILT 6K-4BAM: 195x195 mm
  ILT 6K-3GAM: 230x230 mm
  ILT 10K-3GAM: 300x240 mm
- Connection cable approx. 3 m
- Permissible ambient temperature 15 °C / 35 °C

KXP V20 IP65/KFP V20 IP65:

- Weighing plate dimensions, WxDxH
  A 300x240 mm, stainless steel
  B 400x3000 mm, stainless steel
  C 500x400 mm, stainless steel
  D 1500x1250 mm, steel, lacquered
  E 1500x1500 mm, steel, lacquered
- Permissible ambient temperature -10 °C / 40 °C

Accessoires

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
- **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
- **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
- **Suitable printers** and further, extensive accessories from page 177

STANDARD

1 2

STANDARD

≥ [Max] 600 kg

OPTION

Model KERN	Quantity scale KXP/KFP	Weighing range [Max] kg	Weighing plate	Reference scale ILT	Weighing range [Max] kg	Readout [d] g	Min. piece weight [Counting] g/piece		Option DAkkS Calibr. Certificate DKD KERN	
CCP 10K-4	**KXP 15V20M**	15	A	**ILT 6K-4BAM**	6	0,1	0,1		962-128-128	
CCP 30K-4	**KXP 30V20M**	30	B	**ILT 6K-4BAM**	6	0,1	0,1		962-128-128	
CCP 60K-4	**KXP 60V20M**	60	B	**ILT 6K-4BAM**	6	0,1	0,1		962-129-128	
CCP 60K-4L	**KXP 60V20LM**	60	C	**ILT 6K-4BAM**	6	0,1	0,1		962-129-128	
CCP 100K-3	**KXP 150V20M**	150	C	**ILT 10K-3GAM**	6 | 15	2 | 5	0,1		962-129-128	
CCP 600K-4	**KXP 600V20M**	600	D	**ILT 6K-4BAM**	6	0,1	0,1		962-130-128	
CCP 600K-3	**KXP 600V20M**	600	D	**ILT 6K-3GAM**	3 | 6	1 | 2	0,1		962-130-128	
CCP 3T-7	**KXP 3000V20M**	3000	D	**ILT 6K-4BAM**	6	0,1	1		962-132-128	
CCP 3T-7L	**KFP 3000V20LM**	3000	E	**ILT 6K-4BAM**	6	0,1	2		962-132-128	

KERN Pictograms:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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.

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

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.

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

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.

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

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

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

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

Stainless steel: The balance is protected against corrosion.

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

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

Rechargeable battery pack: Rechargeable set.

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

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

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

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

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

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

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

Verification possible: The time required for verification is specified in the pictogram.

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

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

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

Warranty: The warranty period is shown in the pictogram.

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: