PROFESSIONAL MEASURING
SINCE 1844

KERN

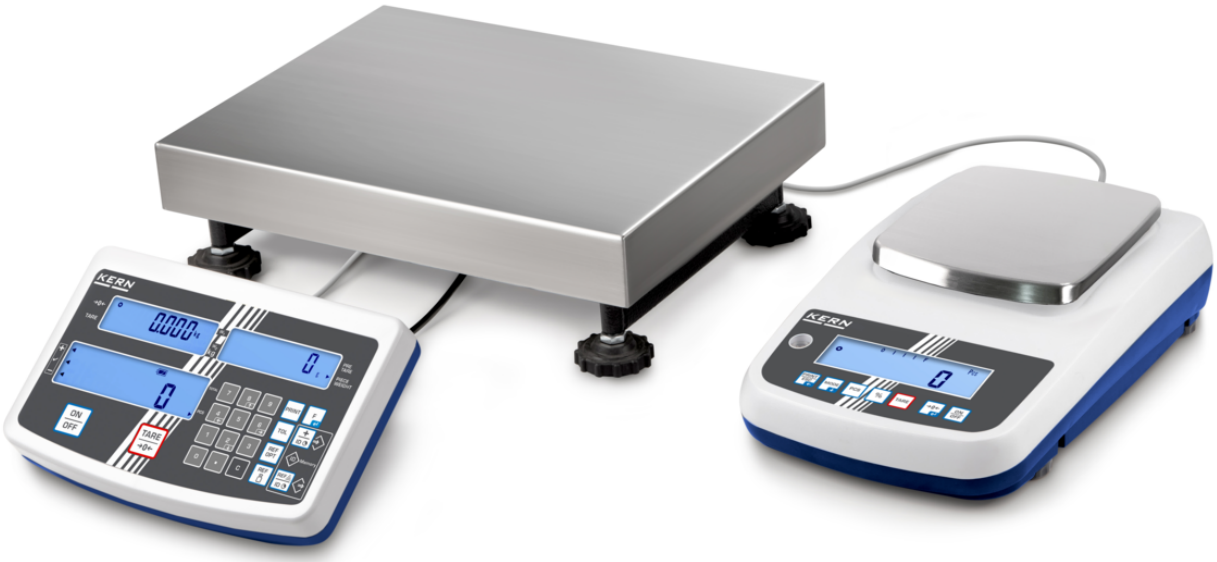
Product brochure

30.10.2026

KERN CCA 6K-4M

High-resolution counting system to count the smallest parts in large quantities, maximum number of parts which can be displayed is 999,999, verification optional

ENGLISH



CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

+49 7433 9933-0
info@kern-sohn.com
www.kern-sohn.com

FEATURES

- The highly accurate KERN CCA counting system can replace a whole range of individual balances, efficiently and at a reasonable price
- Thanks to optional verification, it is also suitable for use in verified applications
- The balances are connected to one another with an RS-232 Y-cable, which also allows you to connect a printer

Reference scale KERN EWJ
- This precision balance, which can be used as an individual balance, also fulfils the highest demands through connection with a high-capacity platform
- Automatic internal adjustment, time-controlled every 2 h, guarantees high degree of accuracy and makes the balance independent of its location
- Draught shield standard for models with [Max] = 600 g, weighing space W×D×H 134×128×80 mm
- Protective working cover included with delivery

Quantity scale KERN IFS
- The high-accuracy quantity counting takes place on the weighing platform IFS. In this way even the smallest of parts can be counted in large volumes
- Tough industry standard suitable for use in harsh industrial applications
- Ergonomic display device with large keypad and high-contrast LCD display for easy entry and reading of, e.g., tare weights, reference weights, limit values etc.
- Three displays for weight display, reference weight, total pieces
- 100 item memories for master data such as reference weight, reference quantity, container weight (PRE-TARE) etc.
- Precise counting: The manual reference weight optimisation gradually improves the average value of the piece weight
- Totalising of pieces when counting
- Printout with date and time
- Aluminium singlepoint load cell (1×3000 e), protection against dust and water splashes IP65
- Protective working cover over the display device included with the delivery

TECHNICAL DATA

Reference scale KERN EWJ
- Dimensions weighing surface, stainless steel W×D 155×145 mm
- Overall dimensions W×D×H 215×340×105 mm
- Net weight approx. 3,4 kg

Quantity scale KERN IFS
- Dimensions weighing surface, stainless steel, W×D×H 300×240×105 mm
- Cable length of display device approx. 3 m

Counting System KERN CCA 6K-4M
- Connection cable approx. 1,5 m
- Net weight approx. 9 kg

MAIN SCOPE OF APPLICATIONS

- Packaging industry
- Counting applications
- Warehouse logistics
- Quality assurance
- Order picking and inventory

PLEASE NOTE FOR YOUR ORDER

- For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order, the initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification

PICTOGRAMS

Standard



Option



Factory



MODEL OVERVIEW

Model	Weighing range Reference scale [Max]	Readout Reference scale [d]	Weighing capacity Quantity scale [Max]	Readability Quantity scale [d]	Smallest part weight (Normal)
CCA 100K-4M	6 kg	100 mg	60 kg; 150 kg	0,02 kg; 0,05 kg	1 g
CCA 100K-5M	0,6 kg	10 mg	60 kg; 150 kg	0,02 kg; 0,05 kg	200 mg
CCA 10K-4M	6 kg	100 mg	6 kg; 15 kg	0,002 kg; 0,005 kg	1 g
CCA 10K-5M	0,6 kg	10 mg	6 kg; 15 kg	0,002 kg; 0,005 kg	200 mg
CCA 30K-4M	6 kg	100 mg	15 kg; 30 kg	0,005 kg; 0,01 kg	1 g
CCA 30K-5M	0,6 kg	10 mg	15 kg; 30 kg	0,005 kg; 0,01 kg	200 mg
CCA 60K-4M	6 kg	100 mg	30 kg; 60 kg	0,01 kg; 0,02 kg	1 g
CCA 60K-5M	0,6 kg	10 mg	30 kg; 60 kg	0,01 kg; 0,02 kg	200 mg
CCA 6K-4M	6 kg	100 mg	3 kg; 6 kg	0,001 kg; 0,002 kg	1 g
CCA 6K-5M	0,6 kg	10 mg	3 kg; 6 kg	0,001 kg; 0,002 kg	200 mg

ACCESSORIES

Model	Description
AFH 13	Converter RS232 to USB AFH 13

Model	Description
CCA-A01	RS-232 Y-interface cable CCA-A01
EWJ-A04	Protective working cover EWJ-A04
EWJ-A04S05	Protective working cover EWJ-A04S05, scope of delivery: 5 items
EWJ-A05	Power adapter EWJ-A05 (12 V DC, 2500 mA | 100 V - 240 V, 50 / 60 Hz | UK)
EWJ-A06	Rechargeable battery pack EWJ-A06 (Li-Ion, 7,4 V, 2.600 mAh)
IFB-A01	Stand IFB-A01, Height of stand approx. 330 mm
KFB-A01	Rechargeable battery pack KFB-A01 (Pb, 6 V, 1.2 Ah)
KFB-A02	Protective working cover KFB-A02
PFB-A02	Power adapter PFB-A02 (12 V, 500 mA | 100 V - 240 V, 50 / 60 Hz | EURO, CH)
PFB-A03	Power adapter PFB-A03 (12 V, 500 mA | 100 V - 240 V, 50 / 60 Hz | UK)
PFB-A04	Power adapter PFB-A04 (12 V, 500 mA | 100 V - 240 V | US)
PFB-A05	Power adapter PFB-A05 (9 V, 800 mA | 100 V - 240 V AC, 50 / 60 Hz | AUS)
YGR-01	ESD grounding plug incl. grounding cable YGR-01
YKA-11	Power adapter YKA-11 (12 V, 500 mA | 100 - 240 V~ 50/60 Hz 190 mA | EURO, AUS, UK, US, CH)
YKC-01	Thermal printer YKC-01
YKG-01	Dot Matrix Printer YKG-01
YKH-01	Thermal printer YKH-01
YKI-10	RS232-Ethernet adapter YKI-10 (RS-232 standard, Ethernet, RS-485)
YKI-11	RS232-Ethernet adapter YKI-11 (Ethernet, RS-232 standard - 2x)
YKI-12	RS232-WiFi adapter YKI-12
YKT-01	Needle printer YKT-01
YPS-03	Antivibration table YPS-03
YPS-04	Anti-vibration plate KERN YPS-04 (400×450×60 mm, 30 kg)
YPS-05	Anti-vibration plate KERN YPS-05 (565×450×60 mm, 42 kg)

SOFTWARE

Model	Description
SCD-4.0-DL	Software SCD-4.0-DL (Scope of supplies: Download link for 1 license)
SCD-4.0-DLS05	Software SCD-4.0-DLS05 (Scope of supplies: Download link for 5 licenses)
SCD-4.0-PRO-DL	Software SCD-4.0-PRO-DL (Scope of supplies: Download link for 1 license)
SCD-4.0-PRO-DL-AS05	Software SCD-4.0-PRO-DL-AS05 (Scope of supplies: Download link for 5 licenses)

SERVICES

Model	Description
962-128-127	DAkkS calibration certificate 962-128-127
962-129-127	DAkkS calibration certificate 962-129-127
965-229-216	Verification / Conformity assessment according to NAWI (2014/31/EU) 965-229-216
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-105	Warranty extension (+2 years) 970-105

KERN Pictogram Overview

	Internal adjustment: Adjusting accuracy using internal adjustment weight
	External adjustment: Adjusting accuracy using external adjustment weight
	Memory: Device-internal memory capacity, e.g. for article data, measuring data, tare weights, PLU etc.
	Data interface RS-232: For connection to printers, PCs or other peripheral devices for data transfer over longer distances. Network in bus topology possible
	Piece counting: Reference quantities selectable. Display can be switched from piece to weight
	Net total: The weight values of the recipe ingredients can be added up and the total weight of the recipe printed out
	Sum function: The weight values of weighed items can be added together and the total printed out
	Percentage determination: determining the deviation in % from the target value (100 %)
	Units can be switched to e.g. non-metric units
	Measuring with tolerance range (checkweighing): Upper and lower limit values can be programmed, e.g. for sorting, portioning or for measuring coatings or material thicknesses. The process is supported by an acoustic and/or optical signal
	Universal plug-in power supply: With universal input and optional input socket adapters for EU, CH, GB or EU, CH, GB, US or EU, CH, GB, US, AUS
	Weighing principle Strain gauges: Electrical resistor on an elastic deforming body
	Pallet shipment: The duration of internal product provision are two days
	Rechargeable battery pack: Rechargeable set
	Accredited calibration (DKD): The duration of the accredited calibration is 3 working days
	Conformity assessment: The duration of the conformity assessment is 3 working days

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