

PRODUCT BROCHURE

KERN CCA 100K-4M

Date: 29.04.2025

ENGLISH



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

CONTACT

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DESCRIPTION

- 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
- 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 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

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	CCA 100K-4M
Model-Serie	CCA

Assortment	KERN
Product Type	Industrial balance
Product group	Counting systems
Product usage type	Main article
EAN code (Model)	4045761276369

Customs tariff number 84238220

CE Label yes

Technical data - Primary

Counting resolution 1500000

Minimum piece weight 1 g

Net weight 15.4 kg

Platform size 500×400 mm

Readout weight reference scale 100 mg

Readout weight quantity scale 0.02 kg; 0.05 kg

Max weight reference scale 6 kg

Max weight quantity scale 60 kg; 150 kg

Technical data - Construction

Casing material plastic

Material weighing plate metal, lacquered

Bubble Level yes

Revolving screw feet yes

Dimensions of weighing plate (W×D) 500×400 mm

IP protection indicator no IP-protection

IP protection platform IP65

IP protection load cell IP65

Technical data - Display

Display height 20 mm

Backlight yes

Technical data - Power supply

Battery no battery

Mains adapter/adaptor included CH;EURO;UK

Charging time 12 h

Input Voltage 100-240V

Operating time (Backlight off) 18 h

Rechargeable battery Rchrg. battery optional

Technical data - Measuring system

Calibration method Adjusting with external weight

Recommended adjusting weight 6 kg (M1)

Stabilisation time under laboratory conditions 2 s

Weighing system Strain gauge

Weighing units kg

Reference scale - Linearity 300 mg

Quantity scale - Linearity 0.02 kg; 0.05 kg

Repeatability reference scale 100 mg

Repeatability quantity scale 0,02 kg; 0,05 kg

Technical data - Environmental conditions

Maximum humidity 80 %

Maximum operating temperature 40 °C

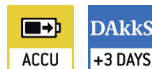
Minimum ambient temperature 0 °C

Minimum humidity 0 %

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	930×545×480 mm
Gross weight	19 kg
Net weight	16 kg
Shipping method	Parcel service
Packaging component - by weight - cardboard	1725 g
Packaging component - by weight - plastics	1725 g
Delivery time	4 d

Option



Factory



Technical data - Counting data

Minimum piece weight at piece counting (Laboratory)	100 mg
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Technical data - Verification

Verification by KERN possible	yes
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Optional Services

DAkkS Calibration	962-129-127
Verification	965-229-216

FUNCTIONS

Standard									
CAL INT	CAL EXT	MEMORY	RS 232	PCS	RECIPE	SUM	PERCENT		
UNIT	TOL	MULTI	MULTI	DMS	2 DAYS				

ACCESSORIES

Model	Description
IFB-A01	Column for KERN IFB-A01
KFB-A01	Internal Rechargeable Battery Pack KERN KFB-A01
IFB-A02	Stand KERN IFB-A02
KFB-A02	Protective Working Cover KERN KFB-A02
911-013	Matrix needle printer KERN 911-013
PFB-A03	Power supply KERN PFB-A03
PFB-A02	Power supply KERN PFB-A02
PFB-A04	Power supply KERN PFB-A04
PFB-A05	Power supply KERN PFB-A05
YKI-01	RS-232 / Ethernet adapter KERN YKI-01
YKN-01	Matrix needle printer KERN YKN-01
EWJ-A04	Protective Working Cover KERN EWJ-A04
YKI-02	RS-232 / Bluetooth adapter KERN YKI-02
YKA-07	Power supply KERN YKA-07
YKA-11	Power supply KERN YKA-11
EWJ-A04S05	Protective Working Cover KERN EWJ-A04S05
EWJ-A05	Power supply KERN EWJ-A05
YRO-02	Roller Conveyor KERN YRO-02
CCA-A01	Data Interface KERN CCA-A01
AFH 13	Converter KERN AFH 13
YKG-01	Dot Matrix Printer KERN YKG-01
YKH-01	Thermal printer KERN YKH-01
YPS-03	Antivibration table YPS-03
YPS-04	Antivibration plate KERN YPS-04
YPS-05	Antivibration plate KERN YPS-05
YGR-01	ESD earthing kit YGR-01
EWJ-A06	Internal Rechargeable Battery Pack KERN EWJ-A06
YKC-01	Thermal printer KERN YKC-01
SCD-4.0-PRO-DL-AS05	Software KERN BalanceConnection SCD-4.0-PRO-DL-AS05

Model	Description
SCD-4.0-DLS05	BalanceConnection Standard KERN SCD-4.0-DLS05

SERVICES

Model	Description
965-229-216	Verification / Conformity assessment according to NAWI (2014/31/EU) KERN 965-229-216
962-129-127	DAkkS Calibration KERN 962-129-127
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-106	Warranty extension KERN (+2 years) 970-106

SPARE PARTS

Model	Description
KFB-A01	Internal Rechargeable Battery Pack KERN KFB-A01
PFB-A03	Power supply KERN PFB-A03
PFB-A02	Power supply KERN PFB-A02
PFB-A04	Power supply KERN PFB-A04
PFB-A05	Power supply KERN PFB-A05
KFS-TM	Display Devices KERN KFS-TM
RKFS-5001	Power socket KERN RKFS-5001
EWJ-A04	Protective Working Cover KERN EWJ-A04
RKFPV20-6004	Weighing plate KERN RKFPV20-6004
RKFS-3001	LCD Display RKFS-3001
RKFS-3002	LCD Display RKFS-3002
REWJ-5001	Cable KERN REWJ-5001
YKA-07	Power supply KERN YKA-07
REWJ-4003	Display overlay KERN REWJ-4003
REWJ-8001	Level bubble REWJ-8001
REWJ-2001	Transmission rate to PC: up to 200 measured values/secondREWJ-2001
REWJ-2002	Main PCB REWJ-2002
REWJ-2003	Interface PCB REWJ-2003
REWJ-8002	Adjustable base foot REWJ-8002
REWJ-1003	Load cell KERN REWJ-1003

Model	Description
REWJ-6003	Weighingplate carrier KERN REWJ-6003
REWJ-6004	Weighing plate KERN REWJ-6004
YKA-11	Power supply KERN YKA-11
RIFSM-1002	Load cell KERN RIFSM-1002
EWJ-A05	Power supply KERN EWJ-A05
RKFP-1303	Load cell KERN RKFP-1303
RKFP-8001	Adjustable base foot RKFP-8001
RKFP-8007	Rubber shock absorber RKFP-8007
RKFP-8009	Rubber shock absorber RKFP-8009
REWJ-4005	Keyboard overlay KERN REWJ-4005
REWJ-9001	Digital force-measuring device set (external) consisting of: - 1x CS 2000-3P1: Weighing/force-measuring cell - 1x CE HSE: Digital weighing transmitter - 961-264: Factory calibration certificate for force > 5 kN up to 20 kN / pressure - 1x 961-405: Two-point adjustment up to 20 kN
RPFB-5001	Power socket RPFB-5001
RKFS-4003	Keyboard overlay KERN RKFS-4003
KFP 150V20M	Platform KERN KFP 150V20M
RKFS-2001	Main PCB KERN RKFS-2001

SOFTWARES

Model	Description
SCD-4.0-DL	BalanceConnection Standard KERN SCD-4.0-DL
SCD-4.0-PRO-DL	Software KERN BalanceConnection SCD-4.0-PRO-DL

RELATED ARTICLES DATA

Model name	Counting resolution	Minimum piece weight	Net weight	Platform size	Readout weight reference scale	Readout weight quantity scale	Max weight reference scale	Max weight quantity scale
CCA 10K-5M	750000	200 mg	8.6 kg	300×240 mm	10 mg	0.002 kg; 0.005 kg	0,6 kg	6 kg; 15 kg
CCA 30K-5M	1500000	200 mg	13.055 kg	400×300 mm	10 mg	0.005 kg; 0.01 kg	0,6 kg	15 kg; 30 kg
CCA 60K-5M	3000000	200 mg	13.2 kg	400×300 mm	10 mg	0.01 kg; 0.02 kg	0,6 kg	30 kg; 60 kg

Model name	Counting resolution	Minimum piece weight	Net weight	Platform size	Readout weight reference scale	Readout weight quantity scale	Max weight reference scale	Max weight quantity scale
CCA 100K-5M	7500000	200 mg	15.1 kg	500×400 mm	10 mg	0.02 kg; 0.05 kg	0,6 kg	60 kg; 150 kg
CCA 100K-4M	1500000	1 g	15.4 kg	500×400 mm	100 mg	0.02 kg; 0.05 kg	6 kg	60 kg; 150 kg
CCA 10K-4M	150000	1 g	8.9 kg	300×240 mm	100 mg	0.002 kg; 0.005 kg	6 kg	6 kg; 15 kg
CCA 30K-4M	300000	1 g	13.355 kg	400×300 mm	100 mg	0.005 kg; 0.01 kg	6 kg	15 kg; 30 kg
CCA 60K-4M	600000	1 g	13.5 kg	400×300 mm	100 mg	0.01 kg; 0.02 kg	6 kg	30 kg; 60 kg
CCA 6K-4M	60000	1 g	8.624 kg	300×240 mm	100 mg	0.001 kg; 0.002 kg	6 kg	3 kg; 6 kg