

PRODUCT BROCHURE

KERN CCA 10K-5M

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

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

Phone : +49 7433 9933-0
Fax : +49 7433 9933-149
Email : info@kern-sohn.com
Web : www.kern-sohn.com



Scan here for more
information

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
- Draught shield standard, 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 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 10K-5M
--------------------	------------

Model-Serie	CCA
Assortment	KERN
Product Type	Industrial balance
Product group	Counting systems

Product usage type	Main article
EAN code (Model)	404576 1235 120
Customs tariff number	90160010
CE Label	yes

Technical data - Primary

Counting resolution	750000
Minimum piece weight	200 mg
Net weight	8.6 kg
Platform size	300×240 mm
Readout weight reference scale	10 mg
Readout weight quantity scale	0.002 kg; 0.005 kg
Max weight reference scale	0,6 kg
Max weight quantity scale	6 kg; 15 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)	300×240 mm
IP protection platform	IP65
IP protection load cell	IP65

Technical data - Display

Display height	20 mm
Backlight	yes

Technical data - Power supply

Mains adapter/adapter included	CH;EURO;UK;US
Charging time	12 h
Input Voltage	100-240V
Operating time (Backlight off)	18 h

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	30 mg
Quantity scale - Linearity	0.002 kg; 0.005 kg
Repeatability reference scale	10 mg
Repeatability quantity scale	0,002 kg; 0,005 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)	695×405×495 mm
Gross weight	11 kg
Net weight	9 kg
Shipping method	Parcel service
Packaging component - by weight - cardboard	1050 g
Packaging component - by weight - plastics	1050 g
Delivery time	4 d



Factory



Technical data - Counting data

Minimum piece weight at piece counting (Laboratory)	20 mg
---	-------

Technical data - Verification

Verification by KERN possible	yes
-------------------------------	-----

Optional Services

DAkkS Calibration	962-128-127
Verification	965-228-216

FUNCTIONS

Standard	
Option	

ACCESSORIES

Model	Description
IFB-A01	Column for KERN IFB-A01
KFB-A01	Internal Rechargeable Battery Pack KERN KFB-A01
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
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
315-309-406	Safety Set KERN 315-309-406
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
SCD-4.0-DLS05	BalanceConnection Standard KERN SCD-4.0-DLS05

SERVICES

Model	Description
965-228-216	Verification / Conformity assessment according to NAWI (2014/31/EU) KERN 965-228-216
961-248	Adjustment at the location of installation 961-248
962-128-127	DAkkS Calibration KERN 962-128-127
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
RKFPV20-6002	Weighing plate KERN RKFPV20-6002
RKFS-3001	LCD Display RKFS-3001
RKFS-3002	LCD Display RKFS-3002
REWJ-5001	Cable KERN REWJ-5001
REWJ-6007	Weighing plate KERN REWJ-6007
RPFB-8010	Metal plate: High accuracy of measurement due to the level metal plateRPFB-8010
RPFB-8011	Windbreak cover RPFB-8011
YKA-07	Power supply KERN YKA-07
REWJ-4002	Display overlay KERN REWJ-4002
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

Model	Description
REWJ-8002	Adjustable base foot REWJ-8002
REWJ-1002	Load cell KERN REWJ-1002
YKA-11	Power supply KERN YKA-11
EWJ-A05	Power supply KERN EWJ-A05
RKFP-1101	Load cell KERN RKFP-1101
RKFP-8001	Adjustable base foot RKFP-8001
RKFP-8007	Rubber shock absorber RKFP-8007
RKFP-8009	Rubber shock absorber RKFP-8009
REWJ-4006	Keyboard overlay KERN REWJ-4006
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
REWJ-6008	Weighingplate carrier KERN REWJ-6008
RPFBA-8001	Metal plate: High accuracy of measurement due to the level metal plate
RPFBA-8003	rubber stopper RPFBA-8003
RKFS-4003	Keyboard overlay KERN RKFS-4003
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

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 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
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