

PRODUCT BROCHURE

KERN CPB 30K0.5N

Date: 13.12.2025

ENGLISH



Professional model with counting resolution 60.000 points

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

- Precise, intuitive to use and digital – with our counting scales you can accelerate your annual stock taking processes and thus save time and money
- Precise counting: The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- Programmable using numerical key pad:
 - required reference quantity
 - known reference weight
- Three displays for weight display, reference weight, total pieces
- Counting results memory: adds up all individual piece counts, result is shown in total weight and total pieces
- Fill-to-target function: Target count or target weight can be programmed. When the target value is reached, this will be indicated by an audible signal
- PRE-TARE function for manual subtraction of a known container weight, useful for checking fill-levels
- High mobility: thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department, etc.)
- Two balances in one: Changes from counting mode to weighing mode at the touch of a key
- Protective working cover included with delivery

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	CPB 30K0.5N
Model-Serie	CPB
Assortment	KERN
Product Type	Industrial scales
Product group	Counting scales
Product usage type	Main article
EAN code (Model)	4045761124394
Customs tariff number	84238129
CE Label	yes

Technical data - Primary

Weighing capacity	30 kg
Readability	0.0005 kg
Counting resolution	60000
Minimum piece weight	5 g
Net weight	3.335 kg
Platform size	295×225 mm

Technical data - Construction

Casing material	plastic
Dimension housing (W×D×H)	315×350×100 mm

Dimensions device (W×D×H)	315×350×125 mm
Material weighing plate	stainless steel
Bubble Level	yes
Revolving screw feet	yes
Weighing surface (d)	295×225 mm
Dimensions of weighing plate (W×D)	295×225 mm

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 V - 240 V, 50 / 60 Hz
Operating time (Backlight off)	90 h
Rechargeable battery	Rchrg. battery optional - intern

Technical data - Measuring system

Calibration method	Adjusting with external weight
Linearity	± 0.002 kg
Readability	0.0005 kg
Recommended adjusting weight	20 kg (F2); 10 kg (F2)
Repeatability	0.001 kg
Resolution	60.000

Stabilisation time under laboratory conditions	2 s
Tare range	30 kg
Warm up time	120 min
Weighing system	Strain gauge
Weighing units	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)	370×450×220 mm
Gross weight	4.4 kg
Net weight	3.4 kg
Shipping method	Parcel service
Packaging component - by weight - cardboard	530 g
Packaging component - by weight - plastics	530 g
Delivery time	1 d

Technical data - Counting data

Counting resolution	60000
Minimum piece weight at piece counting (Laboratory)	500 mg
Minimum piece weight	5 g

Optional Services

DAkkS Calibration 963-128

FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
RFS-A02	Tare pan KERN RFS-A02
CFS-A02	Protective Working Cover KERN CFS-A02
PFB-A03	Power supply KERN PFB-A03
PFB-A02	Power supply KERN PFB-A02
PFB-A04	Power supply KERN PFB-A04
GAB-A04	Internal Rechargeable Battery Pack KERN GAB-A04
CFS-A04	Data Interface KERN CFS-A04
YKI-02	RS-232 / Bluetooth adapter KERN YKI-02
YKA-11	Power supply KERN YKA-11
CFS-A02S05	Protective Working Cover KERN CFS-A02S05
AFH 13	Converter KERN AFH 13
YKH-01	Thermal printer KERN YKH-01
CFS-A01	Interface cable CFS-A01
YKT-01	Needle printer KERN YKT-01

SERVICES

Model	Description
963-128	DAkkS Calibration KERN 963-128
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-014	Warranty extension KERN (+3 years) 970-014

SPARE PARTS

Model	Description
CFS-A02	Protective Working Cover KERN CFS-A02
PFB-A03	Power supply KERN PFB-A03
PFB-A02	Power supply KERN PFB-A02
PFB-A04	Power supply KERN PFB-A04
GAB-A04	Internal Rechargeable Battery Pack KERN GAB-A04
RCFS-5002	Switch KERN RCFS-5002
RCFS-8001	Adjustable base foot RCFS-8001
YKA-11	Power supply KERN YKA-11
RCFS-6002	Weighingplate carrier KERN RCFS-6002
RCFS-8002	Battery compartment cover RCFS-8002
REWN-5001	Power socket REWN-5001
RCPBN-4004	Keyboard overlay RCPBN-4004
RGAT-1003	Load cell KERN RGAT-1003
RCFS-8004	Adjustable base foot KERN RCFS-8004

RELATED ARTICLES DATA

Model name	Weighing capacity	Readability	Counting resolution	Minimum piece weight	Net weight	Platform size
CPB 6K0.1N	6 kg	0.0001 kg	60000	1 g	3.2 kg	295×225 mm
CPB 15K0.2N	15 kg	0.0002 kg	60000	2,5 g	3.3 kg	295×225 mm
CPB 30K0.5N	30 kg	0.0005 kg	60000	5 g	3.335 kg	295×225 mm
CPB 6K1DM	3 kg; 6 kg	0.001 kg; 0.002 kg	60000	1 g	3.384 kg	295×225 mm
CPB 15K2DM	6 kg; 15 kg	0.002 kg; 0.005 kg	60000	2,5 g	3.432 kg	295×225 mm
CPB 30K5DM	15 kg; 30 kg	0.005 kg; 0.01 kg	60000	5 g	3.41 kg	295×225 mm