PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

30.10.2026

KERN CCS 600K-1

Counting system to count the smallest parts in large quantities, maximum number of parts which can be displayed is 999,999

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 CCS counting system can replace a whole range of individual balances, efficiently and at a reasonable price

Reference scale KERN CFS 6K0.1

- This professional counting scale, which can also be used as a stand-alone scale, meets the highest demands for accuracy, weighing capacity and volume of items, by being connected to a high-capacity weighing bridge
- Programmable using numerical key pad:
  - required reference quantity
  - known reference weight
- Three displays for weight display, reference weight, total pieces
- Memory (PLU) for items with additional text, reference weight and tare weight, e.g. of a container
- Fill-to-target function: Target count or target weight can be programmed. When the target weight is reached there is an audible and visual signal
- Precise counting: The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- Protective working cover included with delivery

Quantity scale KERN KIP-V20M

- The high-accuracy quantity counting takes place on the weighing bridge. In this way even the smallest of parts can be counted in large volumes
- Weighing bridge made of non-slip corrugated steel plate, lacquered
- 4 load cells, steel, silicone-coated, IP67

TECHNICAL DATA

Reference scale KERN CFS 6K0.1

- Overall dimensions W×D×H 315×350×100 mm
- Weighing platform dimensions, stainless steel, W×D 295×225 mm
- Net weight approx. 3,2 kg

Quantity platform KERN KIP-V20M

- Weighing platform dimensions, , W×D×H
- Connection cable approx. 5 m

MAIN SCOPE OF APPLICATIONS

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

PICTOGRAMS

Standard



Option



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)
CCS 1T-4	6 kg	100 mg	1500 kg	0,5 kg	1 g
CCS 1T-4S	6 kg	100 mg	1500 kg	0,5 kg	1 g
CCS 3T-3	6 kg	100 mg	3000 kg	1 kg	1 g
CCS 3T-3L	6 kg	100 mg	3000 kg	1 kg	1 g
CCS 600K-1	6 kg	100 mg	600 kg	0,2 kg	1 g
CCS 600K-1S	6 kg	100 mg	600 kg	0,2 kg	1 g

ACCESSORIES

Model	Description
AFH 13	Converter RS232 to USB AFH 13
BIC-A02	Access ramp BIC-A02 (1200×1000×108 mm)
BIC-A05	Pit frame BIC-A05
BIC-A07	Pair of base plates BIC-A07
CFS-A01	RS232 interface cable CFS-A01
CFS-A02	Protective working cover CFS-A02
CFS-A02S05	Protective working cover CFS-A02S05, scope of delivery: 5 items
CFS-A03	Signal lamp KERN CFS-A03
CFS-A04	RS-232 Y-interface cable CFS-A04
GAB-A04	Rechargeable battery pack GAB-A04 (Pb)
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)
RFS-A02	Stainless steel fruit pan RFS-A02
YKA-11	Power adapter YKA-11 (12 V, 500 mA | 100 - 240 V~ 50/60 Hz 190 mA | EURO, AUS, UK, US, CH)

ENGLISH

Model	Description
YKC-01	Thermal printer YKC-01
YKG-01	Dot Matrix Printer YKG-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

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
962-130-127	DAkkS calibration certificate 962-130-127
969-517	Confirmation of the manufacturer’s specification (only in combination with DAkkS calibration certificate)969-517
970-110	Warranty extension (+2 years) 970-110

KERN Pictogram Overview

	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
	KERN Communication Protocol (KCP): a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other digital systems
	Piece counting: Reference quantities selectable. Display can be switched from piece to weight
	Sum function: The weight values of weighed items can be added together and the total printed out
	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 four days
	Rechargeable battery pack: Rechargeable set
	Accredited calibration (DKD): The duration of the accredited calibration is 3 working days

ENGLISH