

PRODUCT BROCHURE

KERN CCS 6K-6

Date: 29.04.2025

ENGLISH



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

CONTACT

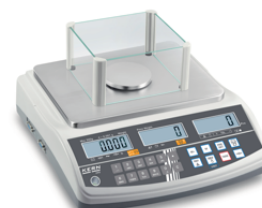
KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

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

PRODUCT SHOWCASE



DESCRIPTION

- 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 300-3

- 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 KFP 6V20M

- The high-accuracy quantity counting takes place on the weighing platform. In this way even the smallest of parts can be counted in large volumes
- Weighing plate stainless steel, painted steel base
- Aluminium singlepoint load cell (1×3000 e), protection against dust and water splashes IP65

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	CCS 6K-6
Model-Serie	CCS
Assortment	KERN
Product Type	Industrial balance
Product group	Counting systems
Product usage type	Main article
EAN code (Model)	4045761220355
Predecessor Model	CCS 6K-6-2018a
Customs tariff number	84238129
CE Label	yes

Technical data - Primary

Counting resolution	1200000
Minimum piece weight	50 mg
Net weight	6.21 kg
Platform size	230×230 mm
Readout weight reference scale	1 mg
Readout weight quantity scale	0.0002 kg
Max weight reference scale	0,3 kg

Max weight quantity scale 6 kg

Technical data - Construction

Casing material	plastic
Material weighing plate	stainless steel
Bubble Level	yes
Revolving screw feet	yes
Dimensions of weighing plate (W×D)	230×230 mm
IP protection indicator	IP23
IP protection platform	IP65
IP protection load cell	IP65

Technical data - Display

Display height	20 mm
Backlight	yes

Technical data - Power supply

Mains adapter/adaptor included	CH;EURO;UK;US
Charging time	12 h
Input Voltage	220 V - 240 V AC, 50 Hz
Operating time (Backlight off)	60 h
Rechargeable battery	Rchrg. battery optional

Technical data - Measuring system

Calibration method	Adjusting with external weight
Recommended adjusting weight	6 kg (F1)
Stabilisation time under laboratory conditions	2 s
Warm up time	120 min
Weighing system	Strain gauge
Weighing units	g;lb
Reference scale - Linearity	4 mg
Quantity scale - Linearity	0.0006 kg
Repeatability reference scale	2 mg
Repeatability quantity scale	0,0002 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)	630×535×350 mm
Gross weight	10 kg
Net weight	7 kg
Shipping method	Parcel service

Packaging component - by weight - cardboard 1725 g

Packaging component - by weight - styrofoam 1725 g

Delivery time 2 d

Technical data - Counting data

Minimum piece weight at piece counting (Laboratory) 5 mg

Optional Services

DAkkS Calibration 962-128-127

FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
911-013	Matrix needle printer KERN 911-013
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-A03	Signal lamp KERN CFS-A03
CFS-A04	Data Interface KERN CFS-A04
YKI-01	RS-232 / Ethernet adapter KERN YKI-01
YKN-01	Matrix needle printer KERN YKN-01
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
CFS-A01	Interface cable CFS-A01
315-208-205	Safety Set KERN 315-208-205
YGR-01	ESD earthing kit YGR-01
YKC-01	Thermal printer KERN YKC-01

SERVICES

Model	Description
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
970-102	Warranty extension KERN (+2 years) 970-102

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

Model	Description
PFB-A04	Power supply KERN PFB-A04
GAB-A04	Internal Rechargeable Battery Pack KERN GAB-A04
RKFPV20-6001	Weighing plate KERN RKFPV20-6001
RPFB-8010	Metal plate: High accuracy of measurement due to the level metal plateRPFB-8010
RCFS-4001	Keyboard overlay KERN RCFS-4001
REWJ-6001	Weighingplate carrier KERN REWJ-6001
REWJ-6002	Weighing plate KERN REWJ-6002
REWJ-1001	Load cell KERN REWJ-1001
YKA-11	Power supply KERN YKA-11
CFS-A02S05	Protective Working Cover KERN CFS-A02S05
RKFP-1100	Load cell KERN RKFP-1100
REWN-5001	Power socket REWN-5001
RKFP-8001	Adjustable base foot RKFP-8001
RKFP-8007	Rubber shock absorber RKFP-8007
RKFP-8009	Rubber shock absorber RKFP-8009
KFP 6V20M	Platform KERN KFP 6V20M
RTKFP-8001	Adjustable base foot KERN RTKFP-8001
RCFS-8004	Adjustable base foot KERN RCFS-8004

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
CCS 30K0.01.	600000	500 mg	12.05 kg	400×300 mm	10 mg	1 g	3 kg	30 kg
CCS 60K0.01.	1200000	500 mg	12.18 kg	400×300 mm	10 mg	0.002 kg	3 kg	60 kg
CCS 60K0.01L.	1200000	500 mg	16 kg	500×400 mm	10 mg	0.002 kg	3 kg	60 kg
CCS 60K0.1.	600000	1 g	12.3 kg	400×300 mm	100 mg	0.002 kg	6 kg	60 kg
CCS 150K0.01L	3000000	500 mg	3.8 kg	650×500 mm	10 mg	0.005 kg	3 kg	150 kg
CCS 300K0.01	6000000	500 mg	23.7 kg	650×500 mm	10 mg	0.01 kg	3 kg	300 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
CCS 1T-1L	15000000	1 g	180 kg	1500×1250 mm	100 mg	0.5 kg	6 kg	1500 kg
CCS 600K-2U	12000000	500 mg	46 kg	840×1190 mm	10 mg	0.2 kg	3 kg	600 kg
CCS 1T-1U	15000000	1 g	46 kg	840×1190 mm	100 mg	0.5 kg	6 kg	1500 kg
CCS 60K0.1L.	600000	1 g	12.4 kg	500×400 mm	100 mg	0.002 kg	6 kg	60 kg
CCS 150K0.1.	1500000	1 g	15.38 kg	500×400 mm	100 mg	0.005 kg	6 kg	150 kg
CCS 300K0.1	3000000	1 g	23.7 kg	650×500 mm	100 mg	0.01 kg	6 kg	300 kg
CCS 30K0.1.	300000	1 g	9.7 kg	400×300 mm	100 mg	0.001 kg	6 kg	30 kg
CCS 1T-4	15000000	1 g	110 kg	1200×1500 mm	100 mg	0.5 kg	6 kg	1500 kg
CCS 1T-4S	15000000	1 g	110 kg	1000×1000 mm	100 mg	0.5 kg	6 kg	1500 kg
CCS 3T-3	30000000	1 g	110 kg	1200×1500 mm	100 mg	1 kg	6 kg	3000 kg
CCS 3T-3L	30000000	1 g	110 kg	1500×1500 mm	100 mg	1 kg	6 kg	3000 kg
CCS 600K-1	6000000	1 g	110 kg	1200×1500 mm	100 mg	0.2 kg	6 kg	600 kg
CCS 600K-1S	6000000	1 g	110 kg	1000×1000 mm	100 mg	0.2 kg	6 kg	600 kg
CCS 150K0.1L	1500000	1 g	23.2 kg	650×500 mm	100 mg	0.005 kg	6 kg	150 kg
CCS 6K-6	1200000	50 mg	6.21 kg	230×230 mm	1 mg	0.0002 kg	0,3 kg	6 kg
CCS 10K-6	3000000	50 mg	6.9 kg	300×240 mm	1 mg	0.0005 kg	0,3 kg	15 kg
CCS 150K0.01	3000000	500 mg	12.05 kg	500×400 mm	10 mg	0.005 kg	3 kg	150 kg