

PRODUCT BROCHURE

KERN CCS 1T-1U

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ENGLISH



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

CONTACT

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DESCRIPTION

- The highly accurate KERN CCS 1T-1U 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 100 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

U-shaped weighing bridge KERN KFU 1500V20M

- The high-accuracy quantity counting takes place on the U-shaped weighing bridge. In this way even the smallest of parts can be counted in large volumes
- Load range: painted steel
- 4 load cells, alloy steel, silicone-coated, IP67

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	CCS 1T-1U
Model-Serie	CCS
Assortment	KERN
Product Type	Industrial balance
Product group	Counting systems
Product usage type	Main article
EAN code (Model)	4045761162525

Customs tariff number 84238220

CE Label yes

Technical data - Primary

Counting resolution	15000000
Minimum piece weight	1 g
Net weight	46 kg
Platform size	840×1190 mm
Readout weight reference scale	100 mg

Readout weight quantity scale 0.5 kg

Max weight reference scale 6 kg

Max weight quantity scale 1500 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) 840×1190 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/adapter 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 1500 kg (M1)

Stabilisation time under laboratory conditions 2 s

Warm up time 120 min

Weighing system Strain gauge

Weighing units kg;lb

Reference scale - Linearity 200 mg

Quantity scale - Linearity 1 kg

Repeatability reference scale 100 mg

Repeatability quantity scale 0,5 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) 1355×510×450 mm

Gross weight 50 kg

Net weight 46 kg

Shipping method Freight

Packaging component - by weight - cardboard 2 kg

Packaging component - 2 kg
by weight - styrofoam

Delivery time 4 d

Technical data - Counting data

Minimum piece weight at 100 mg
piece counting
(Laboratory)

Optional Services

DAkkS Calibration 962-130-128

FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
RFS-A02	Tare pan KERN RFS-A02
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

Model	Description
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
YGR-01	ESD earthing kit YGR-01
YKC-01	Thermal printer KERN YKC-01

SERVICES

Model	Description
962-130-128	DAkkS Calibration KERN 962-130-128
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate) 969-517
970-108	Warranty extension KERN (+2 years) 970-108

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
RUFN-8001	Transport roller KERN RUFN-8001
RCFS-4001	Keyboard overlay KERN RCFS-4001
YKA-11	Power supply KERN YKA-11
RCFS-6002	Weighingplate carrier KERN RCFS-6002
RKFPV20-8002	Level bubble RKFPV20-8002
RKFP-5003	Cable RKFP-5003
RKFP-1006	Load cell KERN RKFP-1006

Model	Description
RKFP-1011	Load cell KERN RKFP-1011
REWN-5001	Power socket REWN-5001
RKFP-2001	RKFP-2001
RKFP-8005	Adjustable base foot RKFP-8005
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
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

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-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