

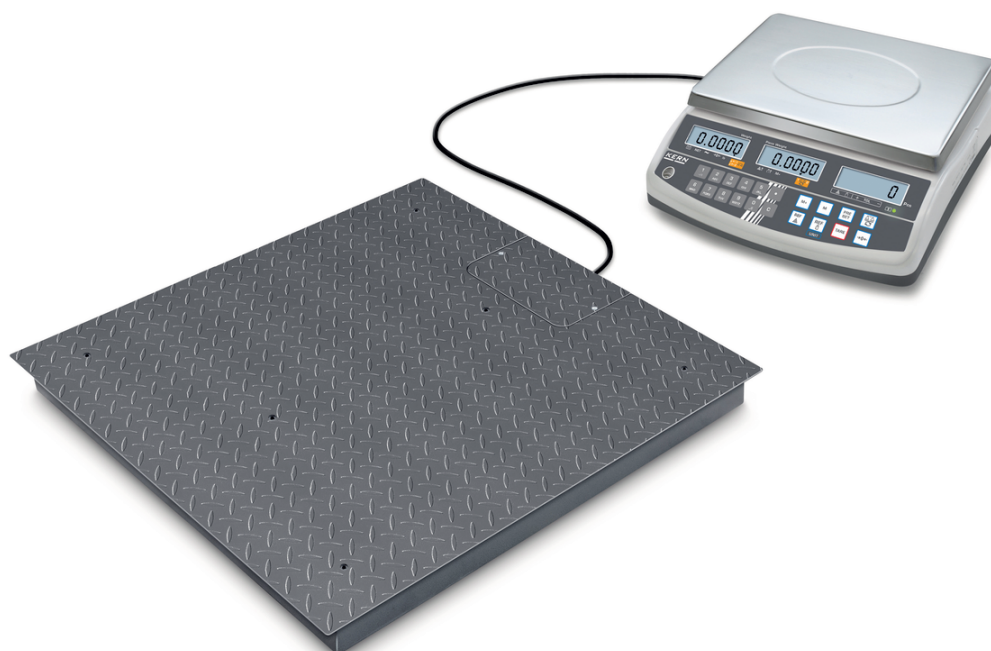
## PRODUCT BROCHURE

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# KERN CCS 1T-4S

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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

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### CONTACT

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## 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 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

## SPECIFICATIONS

### Article codes, product groups & Status information

|                    |                    |
|--------------------|--------------------|
| Model article-code | CCS 1T-4S          |
| Model-Serie        | CCS                |
| Assortment         | KERN               |
| Product Type       | Industrial balance |
| Product group      | Counting systems   |
| Product usage type | Main article       |
| EAN code (Model)   | 4045761235885      |

Customs tariff number 84238220

CE Label yes

### Technical data - Primary

|                                |              |
|--------------------------------|--------------|
| Counting resolution            | 15000000     |
| Minimum piece weight           | 1 g          |
| Net weight                     | 110 kg       |
| Platform size                  | 1000×1000 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

Dimension housing (W×D×H) 320×350×125 mm

Material weighing plate metal, lacquered

Bubble Level yes

Revolving screw feet yes

Dimensions of weighing plate (W×D) 1000×1000 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

## 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) 1050×1050×260 mm

Gross weight 115 kg

Net weight 110 kg

Shipping method Freight

Packaging component - by weight - cardboard 2.5 kg

Packaging component - 2.5 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 |
| BIC-A07    | Pair of base plates KERN BIC-A07         |
| AFH 13     | Converter KERN AFH 13                    |
| CFS-A01    | Interface cable CFS-A01                  |
| 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 |
| RCFS-4001 | Keyboard overlay KERN RCFS-4001                 |
| YKA-11    | Power supply KERN YKA-11                        |
| RCFS-6002 | Weighingplate carrier KERN RCFS-6002            |
| REWN-5001 | Power socket REWN-5001                          |
| 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                   |
| 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                    |

| 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 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                    |