BALANCES & TEST SERVICE 2024

Counting Scales, Counting Systems

Counting System KERN CCS





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

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

- 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 highcapacity 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
- Draught shield standard for models with [d] = 0,001 g, weighing space W×D×H 155×141×80 mm
- Protective working cover included with delivery

Quantity scale

KERN KFP / KERN KFU / KERN KIP

 The high-accuracy quantity counting takes place on the weighing platform (= weighing bridge).
 In this way even the smallest of parts can be counted in large volumes

Platform KERN KFP-V20 IP65

- Weighing plate stainless steel, painted steel base
- Aluminium singlepoint load cell, protection against dust and water splashes
- For models with weighing plate size A E

Weighing bridge KERN KIP-V20M IP67

- Lacquered steel weighing bridge, corrugated steel plate. Extremely resistant to bending due to material thickness
- · 4 load cells, alloy steel, silicone-coated, IP67
- For models with weighing plate size 🖬, 🖪, 🖽

Weighing bridge KERN KFP-V20 IP67

- Weighing bridge painted steel, Weighing plate screwed on from the top
- 4 load cells, alloy steel, silicone-coated, IP67
- For models with weighing plate size \blacksquare

U-shaped weighing bridge KERN KFU-V20

- Load range: painted steel
 - 4 load cells, alloy steel, silicone-coated, IP67
 - For models with weighing plate size \blacksquare

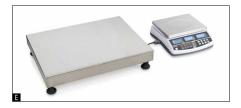


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Counting Scales, Counting Systems

Counting System KERN CCS





Technical data

Reference scale KERN CFS

- Weighing plate dimensions, stainless steel
 [d] = 0,001 g: Ø 80 mm
- [d] ≥ 0,01 g: W×D 295×225 mm
- + Overall dimensions W×D×H 315×350×100 mm
- Net weight
 [d] = 0,001 g: approx. 2,6 kg
 [d] ≥ 0,01 g: approx. 3,4 kg
 - [u] 2 0,01 g. approx. 3,4 kg

Quantity platforms, KERN KFP-V20 IP65

- Weighing plate dimensions, stainless steel
- A W×D×H 230×230×103 mm
- B W×D×H 300×240×105 mm
- C W×D×H 400×300×114 mm
- D W×D×H 500×400×124 mm
- E W×D×H 650×500×136 mm





Quantity platforms, KERN KIP-V20M

- · Weighing plate dimensions, coated metal
- E W×D×H 1000×1000×108 mm
- G W×D×H 1200×1500×108 mm
- H W×D×H 1500×1500×108 mm

Bulk weighing bridges, KERN KFP-V20 IP67

Weighing plate dimensions, coated metal
 ■ W×D×H 1500×1250×80 mm

Bulk pallet load handling, KERN KFU-V20

Weighing plate dimensions, coated metal
 W×D×H 840×1190×90 mm

Connection cable approx.

🗛 - 🗉 2,5 m

🖬 - 🗾 5 m





Accessories

- Protective working cover, scope of delivery: 5 items, KERN CFS-A02S05
- 2 Suitable for models with weighing plate size
 2 ESD drain to protect against electrostatic discharge e.g. for electrostatically-charged weighing objects or people who work with the scale, KERN YGR-01
- Internal rechargeable battery pack, operating time up to 70 h without backlight, charging time approx. 14 h, KERN GAB-A04
- Signal lamp for visual support of weighing with tolerance range, KERN CFS-A03
- Y-cable for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp and printer, KERN CFS-A04
- Further details, plenty of further accessories and suitable printers see *Accessories*



Model	Quantity scale			Reference scale		Counting	Smallest	Options
	Weighing	Readability	Weighing	Weighing	Readability	resolution	partweight	DAkkS Calibr. Certificate
KERN	capacity [Max] kg	[d] g	plate	capacity [Max] g	[d] g	Points	(Normal) g/piece	DAkkS KERN
CCS 6K-6	6	0,2	А	300	0,001	1.200.000	0,05	962-128-127
CCS 10K-6	15	0,5	В	300	0,001	3.000.000	0,05	962-128-127
CCS 30K0.01.	30	1	C	3000	0,01	600.000	0,5	962-128-127
CCS 30K0.1.	30	1	C	6000	0,1	300.000	1	962-128-128
CCS 60K0.01.	60	2	C	3000	0,01	1.200.000	0,5	962-129-127
CCS 60K0.01L.	60	2	D	3000	0,01	1.200.000	0,5	962-129-127
CCS 60K0.1.	60	2	C	6000	0,1	600.000	1	962-129-128
CCS 60K0.1L.	60	2	D	6000	0,1	600.000	1	962-129-128
CCS 150K0.01	150	5	D	3000	0,01	3.000.000	0,5	962-129-127
CCS 150K0.01L	150	5	E	3000	0,01	3.000.000	0,5	962-129-127
CCS 150K0.1.	150	5	D	6000	0,1	1.500.000	1	962-129-128
CCS 150K0.1L	150	5	E	6000	0,1	1.500.000	1	962-129-128
CCS 300K0.1	300	10	E	6000	0,1	3.000.000	1	962-129-128
CCS 300K0.01	300	10	E	3000	0,01	6.000.000	0,5	962-129-127
CCS 600K-1S	600	200	F	6000	0,1	6.000.000	1	962-130-127
CCS 1T-4S	1500	500	F	6000	0,1	15.000.000	1	962-130-128
CCS 1T-4	1500	500	G	6000	0,1	15.000.000	1	962-130-128
CCS 1T-1L	1500	500	Н	6000	0,1	15.000.000	1	962-130-128
CCS 1T-1U	1500	500	J	6000	0,1	15.000.000	1	962-130-128
CCS 3T-3L	3000	1000		6000	0,1	30.000.000	1	962-132-128

* ONLY WHILE STOCKS LAST





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Interface for second

second balance

Protocol (KCP)

It is a standardized

Network interface

an Ethernet network

KERN Communication

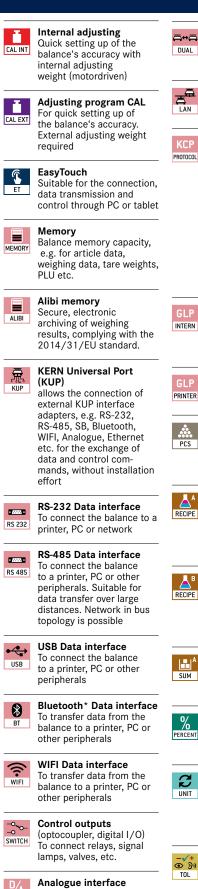
interface command set for

For direct connection of a

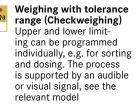
For connecting the scale to

balance

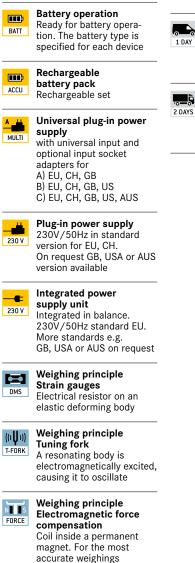
KERN Pictograms

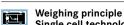












Single cell technology Advanced version of the force compensation principle with the highest level of precision

Conformity Assessment Μ The time required for +3 DAYS conformity assessment is specified in the pictogram

DAkkS calibration DAkkS

possible (DKD) The time required for DAkkS calibration is shown in days in the pictogram



+3 DAYS

Factory calibration (ISO) The time required for Factory calibration is shown in days in the pictogram

Package shipment

The time required for internal shipping preparations is shown in days in the pictogram

Pallet shipment

The time required for 2 DAYS internal shipping preparations is shown in days in the pictogram

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ANALOG

to connect a suitable

peripheral device for analogue processing of the measurements