KERN **CCS 600K-1S**

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

Date of creation: 22.06.2026

Category

Brand	KERN
Product category	Industrial scale
Product group	Counting system
Product family	CCS

Measuring System

Weighing system	Strain gauge
Reference scale - Weighing capacity [Max]	6 kg
Reproducibility	0,0002 kg
Linearity	±
Adjustment options	Adjusting with external weight
Recommended adjusting weight	600 kg (M1)
Quantity scale - Item number	KIP 600V20SM
Stabilization time	2 s
Eccentric loading at 1/3 [Max]	0,0005 kg
Reference scale - Eccentric loading at 1/3 [Max]	500 mg
Quantity scale - Linearity	0,4 kg
Quantity scale - Eccentric loading at 1/3 [Max]	0,4 kg
Quantity scale - Reproducibility	0,2 kg
Reference scale - Reproducibility	100 mg
Reference scale - item number	CFS 6K0.1
Reference scale - Linearity	200 mg
Units	kg lb
Default unit	kg
Quantity scale - Readability [d]	0,2 kg
Quantity scale - Weighing capacity [Max]	600 kg
Reference scale - Readability [d]	100 mg

Display

Display type	LCD
Display backlight	✓
Display segments	6
Display digit height	20 mm

Construction

Dimension housing (W×D×H)	320×350×125 mm
Dimensions weighing surface (W×D)	1000×1000 mm
Dimensions weighing surface	1000×1000 mm
Dimensions weighing platform (W×D×H)	1000×1000×108 mm
Material housing	plastic
Material weighing plate	metal, lacquered
Material load cell(s)	aluminium
Level indicator	✓
Levelling feet adjustable	✓
Cable length	1,5 m
Display device cable length	5 m

Functions

PreTare function	✓
Sum memory function	✓
Recipe/summing level	Rez A (Net total)
Conversion function	✓
PLU - total	100
Tolerance weighing	✓
Counting function	✓
Counting resolution (laboratory conditions)	6.000.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	100 mg
Smallest piece weight when piece counting - normal conditions	1 g
Reference quantity	n (any number of pieces)
IP protection - display	IP23
IP protection - platform	IP65
IP protection - load cell	IP65
Memory function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	selectable
Tare function	manual (multi)

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Interface

Interfaces	RS-232 standard

Power Supply

Supplied power supply	Power supply unit
Power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
Plug-in power supply / adapter for countries - optional	EURO CH
Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	12 V, 500 mA
Power socket for mains adapter	Inside plus, outside minus
Battery / accumulator type	Pb
Rechargeable battery operating time - backlight on	70 h
Rechargeable battery operating time - backlight off	60 h
Rechargeable battery charging time	12 h

Environmental conditions

Ambient temperature [Min]	0 °C
Ambient temperature [Max]	40 °C
Humity of environment [Min]	0 %
Humity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Approval

CE mark	✓

Services (optional)

Article number for adjustment at the location of installation	abhängig von Auflösung/ Max | depends on resolution and capacity
Article number for DAkkS calibration	962-130-127
Article number for certificate of conformity	969-517

Packing & Shipping

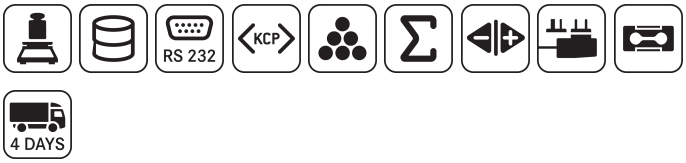
Delivery time	4 d
Dimensions packaging (W×D×H)	1050×1050×260 mm
Shipping method	Freight
Net weight approx.	110 kg
Gross weight approx.	115 kg
Shipping weight	115 kg

Product information

GTIN/EAN number	4045761235861
Trade number	84238220
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION