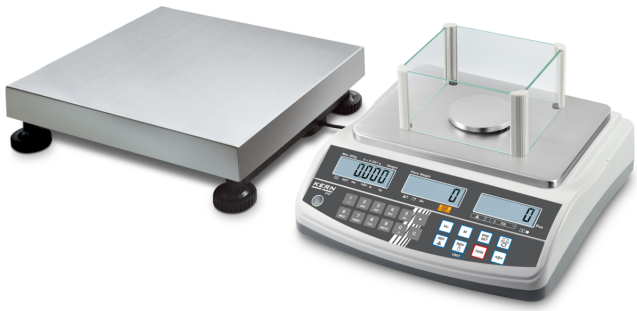
KERN **CCS 6K-6**

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



Date of creation: 14.11.2026

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]	0,3 kg
Reproducibility	0,000002 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	6 kg (F1)
Quantity scale - Item number	TKFP 6V20M-A
Stabilization time	2 s
Eccentric loading at 1/3 [Max]	0,000006 kg
Reference scale - Eccentric loading at 1/3 [Max]	6 mg
Quantity scale - Linearity	0,0006 kg
Quantity scale - Eccentric loading at 1/3 [Max]	0,001 kg
Quantity scale - Reproducibility	0,0002 kg
Reference scale - Reproducibility	2 mg
Reference scale - item number	CFS 300-3
Reference scale - Linearity	4 mg
Construction type of the scale	Multi-range balance
Units	g lb
Default unit	kg
Loadcell type	aluminum Alloy IP64
Quantity scale - Readability [d]	0,0002 kg
Quantity scale - Weighing capacity [Max]	6 kg
Reference scale - Readability [d]	1 mg
Warm-up time	120 min

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

Construction	
Dimensions weighing surface (W×D)	230×230 mm
Dimensions weighing surface	230×230 mm
Dimensions weighing platform (W×D×H)	230×230×103 mm
Material housing	plastic
Material weighing plate	stainless steel
Material load cell(s)	aluminium
Level indicator	✓
Levelling feet adjustable	✓
Cable length	1,5 m
Display device cable length	3 m

Functions	
IP protection - display	IP23
IP protection - platform	IP65
IP protection - load cell	IP65
PreTare function	✓
Sum memory function	✓
Tolerance weighing	✓
Conversion function	✓
Counting function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	selectable
Tare function	manual (multi)
Counting resolution (laboratory conditions)	1.200.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	5 mg
Reference quantity	n (any number of pieces)
PLU - total	100
Memory function	✓
Recipe/summing level	Sum A
Number of keys for operation	20

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Smallest piece weight when piece counting - normal conditions	50 mg

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 UK US 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	GAB-A04
Rechargeable battery operating time - backlight on	40 h
Rechargeable battery operating time - backlight off	60 h
Rechargeable battery charging time	12 h
Rechargeable battery optional	Rchrg. battery optional

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	962-128-127
Article number for certificate of conformity	969-517

Packing & Shipping

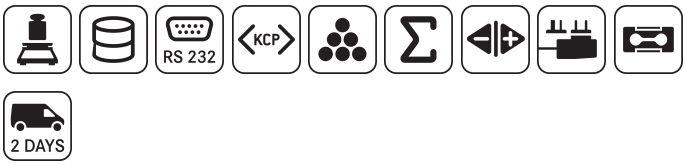
Delivery time	2 d
Dimensions packaging (W×D×H)	630×535×350 mm
Shipping method	Parcel service
Net weight approx.	7 kg
Gross weight approx.	10 kg
Shipping weight	23,6 kg
Shipping volume weight	23,6 kg

Product information

GTIN/EAN number	4045761220355
Trade number	84238129
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION