

KERN CCS 300K0.1



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



Date of creation: 19.06.2026

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	0,0001 kg
Linearity	±
Adjustment options	Adjusting with external weight
Recommended adjusting weight	300 kg (M1)
Quantity scale - Item number	TKFP 300V20M-A
Stabilization time	2 s
Eccentric loading at 1/3 [Max]	0,0003 kg
Reference scale - Eccentric loading at 1/3 [Max]	500 mg
Quantity scale - Linearity	0,04 kg
Quantity scale - Eccentric loading at 1/3 [Max]	0,05 kg
Quantity scale - Reproducibility	0,01 kg
Reference scale - Reproducibility	100 mg
Reference scale - item number	CFS 6K0.1
Reference scale - Linearity	200 mg
Construction type of the scale	Multi-range balance
Units	kg lb
Default unit	kg
Loadcell type	aluminum Alloy IP64
Quantity scale - Readability [d]	0,01 kg
Quantity scale - Weighing capacity [Max]	300 kg
Reference scale - Readability [d]	100 mg

Display

Display type	LCD
Display backlight	✓
Display digit height	20 mm

Construction

Dimensions weighing surface (W×D)	650×500 mm
Dimensions weighing surface	650×500 mm
Dimensions weighing platform (W×D×H)	650×500×136 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

PreTare function	✓
Sum memory function	✓
Recipe/summing level	Sum A
Conversion function	✓
PLU - total	100
Tolerance weighing	✓
Tolerance weighing - type of signal	visual
Underfloor weighing	None
Counting function	✓
Counting resolution (laboratory conditions)	3.000.000
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)
Number of keys for operation	20

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Interface

Interfaces	RS-232 standard
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Power Supply

Supplied power supply	Power supply unit
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Power supply type	Power adapter
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Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
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Plug-in power supply / adapter for countries - optional	EURO AUS UK US CH
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Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
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Input voltage device / power [Max]	12 V, 500 mA
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Power socket for mains adapter	Inside plus, outside minus
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Rechargeable battery	GAB-A04
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Rechargeable battery operating time - backlight on	70 h
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Rechargeable battery operating time - backlight off	60 h
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Rechargeable battery charging time	12 h
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Rechargeable battery optional	Rchrg. battery optional
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Environmental conditions

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

CE mark	✓
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Services (optional)

Article number for adjustment at the location of installation	abhängig von Auflösung/ Max depends on resolution and capacity
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Article number for DAkkS calibration	962-129-128
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Article number for certificate of conformity	969-517
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Packing & Shipping

Delivery time	3 d
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Dimensions packaging (W×D×H)	670×1045×545 mm
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Shipping method	Parcel service
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Net weight approx.	24 kg
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Gross weight approx.	30 kg
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Shipping weight	76,3 kg
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Shipping volume weight	76,3 kg
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Product information

GTIN/EAN number	4045761104648
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Trade number	84238220
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REACH classification	no prohibited substances
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Pictograms

STANDARD



OPTION

