

KERN FCB 30K-3DM

KERN

The new FCB: Checkweighing and portioning scale with up to three interfaces, with optional verification



Stabilization time	2 s
Warm-up time	10 min; 10 min
Eccentric loading at 1/3 [Max]	0,005 kg; 0,01 kg
Loadcell type	aluminium IP65 silicone-coated

Zulassung

CE mark	✓
Accuracy classe	III
Verification scale interval [e]	0,005 kg; 0,01 kg
Conformity assessment possible ex works	✓

Display

Display type	LCD
Display screen size	120×38 mm
Display backlight	✓
Display digit height	25 mm
Languages of the user interface	English Symbol language

Construction

Dimension housing (W×D×H)	322×267×91 mm
Dimensions completely mounted (W×D×H)	325×270×105 mm
Material display housing	Plastics
Material housing	plastic
Material weighing plate	stainless steel
Dimensions weighing surface (W×D)	252×225 mm
Transport safety lock - bolt torque	0,4 Nm
Material load cell(s)	aluminium
Levelling feet adjustable	✓
Level indicator	✓

Functions

Number of keys for operation	6
	2 min 1 min
Auto-off interval(s) in battery mode/rechargeable battery mode	30 min 60 min 30 sec
Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual

Category

Brand	KERN
Product category	Industrial scale
Product group	Bench scale
Product family	FCB

Measuring System

Construction type of the scale	Multi-division balance
Weighing system	Strain gauge
Weighing capacity [Max]	15 kg; 30 kg
Readability [d]	0,005 kg; 0,01 kg
Resolution	3.000, 3.000
Linearity	± 0,005 kg; 0,01 kg
Reproducibility	0,005 kg; 0,01 kg
Tare range	30 kg
Default unit	kg

	kg
	g
	gn
	dwt
	ozt
Units	ct
	lb
	oz
	ffa
	PCS
	%

Units (if device is conformity assessed)	kg g
Minimum weight [Min]	0,1 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	30 kg (M1)
Possible calibration points	10 kg; 20 kg; 30 kg

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Standby function	✓
Recipe/summing level	Sum A
Sum memory function	✓
Memory - total size	0,016 GB
Alibi memory	internal memory
Alibi memory - number of memory spaces	250.000
Underfloor weighing	None
Interfaces	RS-232 (optional)
	Ethernet (optional)
	Alibi memory
	Bluetooth BLE (v4.0) (optional)
	USB-Device (optional)
	KUP
	WiFi (optional)
IP protection - complete device	-
IP protection - display	no IP protection
IP protection - load cell	IP65

Counting

Smallest piece weight when piece counting - laboratory conditions	1 g
Smallest piece weight when piece counting - normal conditions	10 g
Counting reference weight can be entered	✓
Reference quantity	5, 10, 20, 50, free, Input
Counting resolution (laboratory conditions)	30.000

Power Supply

Input voltage power supply / power [Max]	100 V - 240 V AC, 50 / 60 Hz
Input voltage device / power [Max]	5,9V, 1A
Plug-in power supply type	Power adapter
Supplied power supply	Power supply unit
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
Rechargeable battery optional	Rchrg. battery optional
Rechargeable battery charging time	8 h
Rechargeable battery operating time - backlight on	24 h

Rechargeable battery operating time - backlight off	48 h
Battery / accumulator type	Li-Ion
Battery operating time	20 h

Environmental conditions

Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Humidity of environment [Min]	0 %
Humidity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	395×335×200 mm
Net weight	3,91 kg
Shipping method	Parcel service
Net weight approx.	4,0 kg
Gross weight approx.	4,6 kg
Shipping weight	5,3 kg

Services (optional)

Article number for adjustment at the location of installation	961-248
Article number for conformity assessment	965-228
Article number for DAkkS calibration	963-128
Article number for certificate of conformity (verification)	969-517

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Pictograms

STANDARD



OPTION



FACTORY

