KERN **FCB 30K-3DM**

Checkweighing and portioning scale with up to three interfaces, with optional verification



Date of creation: 14.11.2026

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

Measuring System	
Weighing system	Strain gauge
Weighing capacity [Max]	15 kg; 30 kg
Readability [d]	0,005 kg; 0,01 kg
Reproducibility	0,005 kg; 0,01 kg
Linearity	± 0,005 kg; 0,01 kg
Minimum weight [Min] (verifiable)	0,1 kg
Resolution	3.000, 3.000
Tare range	30 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	30 kg (M1)
Possible calibration points	10 kg; 20 kg; 30 kg
Stabilization time	2 s
Eccentric loading at 1/3 [Max]	0,005 kg; 0,01 kg
Conformity assessment possible	✓
Construction type of the scale	Multi-division balance
Units	kg g gn dwt ct lb oz ffa PCS %
Units (if device is conformity assessed)	kg g
Default unit	kg
Loadcell type	aluminium IP65 silicone-coated
Warm-up time	10 min; 10 min

Display	
Display type	LCD
Display backlight	✓
Display screen size	120×38 mm
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
Dimensions weighing surface (W×D)	252×225 mm
Dimensions weighing surface	252×225 mm
Material housing	plastic
Material weighing plate	stainless steel
Material display housing	plastic
Material load cell(s)	aluminium
Level indicator	✓
Levelling feet adjustable	✓
Transport safety lock - bolt torque	0,4 Nm

Functions	
IP protection - complete device	-
IP protection - display	no IP protection
IP protection - load cell	IP65
Percentage determination	✓
Standby function	✓
Sum memory function	✓
Tolerance weighing	✓
Counting function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	2 min 1 min 30 min 60 min 30 sec

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Tare function	manual (multi)
Underfloor weighing	None
Counting resolution (laboratory conditions)	30.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	1 g
Reference quantity	5, 10, 20, 50, free, Input
Recipe/summing level	Sum A
Alibi memory	internal memory
Alibi memory - number of memory spaces	250.000
Memory - total size	0,016 GB
Number of keys for operation	6
Smallest piece weight when piece counting - normal conditions	10 g
Tolerance weighing - type of signal	acoustically visual

Interface

Interfaces	RS-232 (optional) Ethernet (optional) Alibi memory Bluetooth BLE (v4.0) (optional) USB-Device (optional) KUP WiFi (optional)
compatible with EasyTouch	✓

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]	100 V - 240 V AC, 50 / 60 Hz
Power supply cable removable	removable
Input voltage device / power [Max]	5,9V, 1A
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 13 mm
Battery / accumulator type	Li-Ion
Battery operating time	20 h
Battery capacity	210 mAh
Battery voltage	3 V
Battery – Number of cells	1
Battery – Individual weight	3,2 g
Battery – Total weight	3,2 g
Battery – Construction	Individual cells
Battery capacity (Wh)	0,66 Wh
Battery – Lithium content	64 mg
Battery – Tests passed UN 38.3	✓
Rechargeable battery operating time - backlight on	24 h
Rechargeable battery operating time - backlight off	48 h
Rechargeable battery charging time	8 h
Rechargeable battery optional	Rchrg. battery optional

Environmental conditions

Ambient temperature [Min]	-10 °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	✓
Conformity assessment possible ex works	✓
Accuracy classe	III
Verification scale interval [e]	0,005 kg; 0,01 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	969-517

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Packing & Shipping

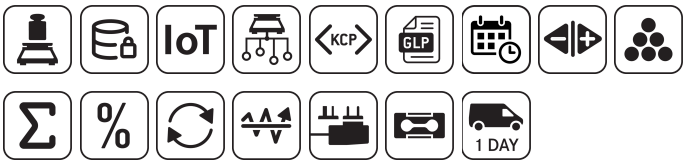
Delivery time	1 d
Dimensions packaging (W×D×H)	395×335×200 mm
Shipping method	Parcel service
Net weight approx.	4,0 kg
Gross weight approx.	4,6 kg
Shipping weight	5,3 kg
Shipping volume weight	5,3 kg

Product information

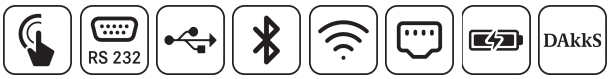
GTIN/EAN number	4045761243514
Trade number	84238129
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION



FACTORY

