KERN **FCB 12K-4**

Checkweighing and portioning scale with up to three interfaces

Date of creation: 22.06.2026

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

Measuring System	
Weighing system	Strain gauge
Weighing capacity [Max]	12 kg
Readability [d]	0,0001 kg
Reproducibility	0,0001 kg
Linearity	± 0,0003 kg
Resolution	120.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	12 kg (F2)
Possible calibration points	2 kg; 5 kg; 10 kg; 12 kg
Stabilization time	2 s
Eccentric loading at 1/3 [Max]	0,0005 kg
Construction type of the scale	Single-range balance
Units	kg g gn dwt ct lb oz ffa PCS %
Maximum creep (15 minutes)	1 g
Maximum creep (30 minutes)	2 g
Default unit	kg
Loadcell type	aluminium IP65 silicone-coated

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	
Sum memory function	✓
Recipe/summing level	Sum A
Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Underfloor weighing	None
Function for averaging under unstable weighing conditions	✓
Counting function	✓
Counting resolution (laboratory conditions)	120.000
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	5, 10, 20, 50, free, Input
IP protection - complete device	-
IP protection - display	no IP protection
IP protection - load cell	IP65

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Auto-off interval(s) in battery mode/rechargeable battery mode	2 min 1 min 30 min 60 min 30 sec
Tare function	manual (multi)
Number of keys for operation	6

Interface

Interfaces	RS-232 (optional) Ethernet (optional) 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
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]	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 DAkkS calibration	963-128
Article number for certificate of conformity	969-517

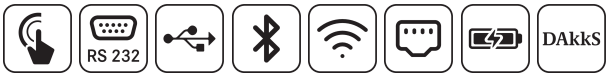
Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	395×335×200 mm
Shipping method	Parcel service
Net weight approx.	3,8 kg
Gross weight approx.	4,2 kg
Shipping weight	5,3 kg
Shipping volume weight	5,3 kg

Product information

GTIN/EAN number	4045761243477
Trade number	84238129
REACH classification	no prohibited substances

Pictograms

STANDARD

OPTION