

# KERN FCB 12K-4

# KERN

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



Maximum creep (30 minutes)	2 g
Loadcell type	aluminium IP65 silicone-coated

Approval	
CE mark	✓

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	✓

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

Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual

Function for averaging under unstable weighing conditions	✓
Recipe/summing level	Sum A
Sum memory function	✓
Underfloor weighing	None
Interfaces	RS-232 (optional) Ethernet (optional) Bluetooth BLE (v4.0)

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

Measuring System	
Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	12 kg
Readability [d]	0,0001 kg
Resolution	120.000
Linearity	± 0,0003 kg
Reproducibility	0,0001 kg
Default unit	kg
Units	kg g gn dwt ozt ct lb oz ffa PCS %
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
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,0005 kg
Maximum creep (15 minutes)	1 g

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	(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	100 mg
Smallest piece weight when piece counting - normal conditions	1 g
Counting reference weight can be entered	✓
Reference quantity	5, 10, 20, 50, free, Input
Counting resolution (laboratory conditions)	120.000

## 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

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

## Packing & Shipping

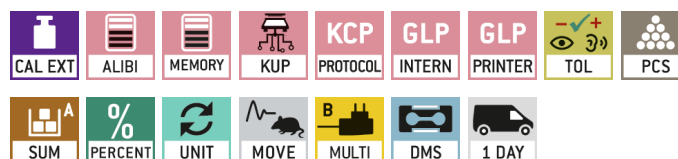
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	395×335×200 mm
Net weight	3,63 kg
Shipping method	Parcel service
Net weight approx.	3,8 kg
Gross weight approx.	4,2 kg
Shipping weight	5,3 kg

## Services (optional)

Article number for DAkkS calibration	963-128
Article number for certificate of conformity (verification)	969-517

## Pictograms

### STANDARD



### OPTION

