KERN **FCB 12K1-2024e**

KERN

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

Category

Brand	KERN
Product categoriy	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
Weighing capacity [Max] (ct)	60000 ct
Readability [d]	0,001 kg
Resolution	12.000
Linearity	± 0,003 kg
Reproducibility	0,001 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 (M1)
Possible calibration points	4 kg; 8 kg; 12 kg
Stabilization time	2 s
Warm-up time	30 min
Eccentric loading at 1/3 [Max]	0,005 kg
Maximum creep (15 minutes)	4 g
Maximum creep (30 minutes)	8 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
Underfloor weighing	None
Interfaces	RS-232 (optional) Ethernet (optional) 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

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Counting reference weight can be entered	✓
Reference quantity	5, 10, 20, 50, free, Input
Counting resolution (laboratory conditions)	12.000

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	4×1.5 V AA
Battery / accumulator type	Li-Ion
Battery operating time	20 h

Environmental conditions

Humity of environment [Min]	0 %
Humity 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

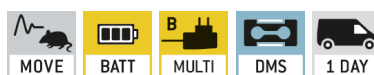|	
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	395×335×200 mm
Net weight	2,82 kg
Shipping method	Parcel service
Net weight approx.	3,0 kg
Gross weight approx.	3,4 kg
Shipping weight	5,3 kg

Services (optional)

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

Pictograms

STANDARD

CAL EXT	ALIBI	KUP	KCP PROTOCOL	GLP INTERN	TOL	PCS	PERCENT	UNIT

MOVE	BATT	MULTI	DMS	1 DAY

OPTION

ET	ACCU	RS 232	USB	BT 4.0	WLAN	LAN	DAkkS +3 DAYS