

KERN FCB 30K-4

KERN

Checkweighing and portioning scale with up to three interfaces



Category

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

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	30 kg
Readability [d]	0,0002 kg
Reproducibility	0,0002 kg
Linearity	± 0,0006 kg
Resolution	150.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	20 kg (F1); 10 kg (F1)
Possible calibration points	10 kg; 20 kg; 30 kg
Stabilization time	2 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,001 kg
Construction type of the scale	Single-range balance

Units	kg
	g
	gn
	dwt
	ct
	lb
	oz
	ffa
	PCS
	%

Maximum creep (15 minutes)	2 g
Maximum creep (30 minutes)	4 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)	150.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	200 mg
Smallest piece weight when piece counting - normal conditions	2 g
Reference quantity	5, 10, 20, 50, free, Input
IP protection - complete device	-
IP protection - display	no IP protection

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IP protection - load cell	IP65
	2 min
Auto-off interval(s) in battery mode/rechargeable battery mode	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
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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

Approval

CE mark	✓
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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.	4,0 kg
Gross weight approx.	4,2 kg
Shipping weight	5,3 kg

Product information

GTIN/EAN number	4045761243484
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

