

KERN FKB 30K1

High resolution bench scale with large weighing range and robust stainless steel weighing plate



Category

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

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	30 kg
Readability [d]	0,001 kg
Reproducibility	0,001 kg
Linearity	± 0,003 kg
Resolution	30.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	30 kg (F2)
Possible calibration points	10 kg; 20 kg; 30 kg
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,005 kg
Construction type of the scale	Single-range balance

Units	kg
	g
	gn
	dwt
	ozt
	lb
	oz
	ffa
	PCS
	%

Maximum creep (15 minutes)	4 g
Maximum creep (30 minutes)	8 g
Default unit	kg

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)	350×390×120 mm
Dimensions weighing surface (W×D)	340×240 mm
Dimensions weighing surface	340×240 mm
Dimensions weighing platform (W×D×H)	340×240×21 mm
Material housing	ABS plastic
Material weighing plate	stainless steel
Material display housing	plastic
Level indicator	✓
Levelling feet adjustable	✓

Functions

Recipe/summing level	Sum A
Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Underfloor weighing	Hook (included in delivery)
Function for averaging under unstable weighing conditions	✓
Counting function	✓
Counting resolution (laboratory conditions)	30.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	1 g
Smallest piece weight when piece counting - normal conditions	10 g
Reference quantity	5, 10, 20, 50, n (any number of pieces)
IP protection - display	no IP protection
	5 min
	2 min
Auto-off interval(s) in battery mode/rechargeable battery mode	1 min
	30 min
	60 min
	30 sec

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Auto-off interval(s) in mains power mode	off
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)
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compatible with EasyTouch

Power Supply

Supplied power supply	Power supply & battery function (battery not included)
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Power supply type	Power adapter
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Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
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Plug-in power supply / adapter for countries - optional	EURO UK US CH
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Input voltage power supply / power [Max]	100 V - 240 V AC, 50 / 60 Hz
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Power supply cable removable	removable
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Input voltage device / power [Max]	5,9V, 1A
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Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 13 mm
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Battery / accumulator type	Li-Ion
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Battery	4 × 1.5 V AA
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Battery connection	Battery insert
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Battery operating time	20 h
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Rechargeable battery operating time - backlight on	24 h
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Rechargeable battery operating time - backlight off	48 h
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Rechargeable battery charging time	8 h
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Rechargeable battery optional	Rchrg. battery optional - intern
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Environmental conditions

Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Humidity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Approval

CE mark	<input checked="" type="checkbox"/>
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Services (optional)

Article number for adjustment at the location of installation	961-248
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Article number for DAkKS calibration	963-128
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Article number for certificate of conformity	969-517
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Packing & Shipping

Delivery time	1 d
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Dimensions packaging (W×D×H)	470×470×190 mm
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Shipping method	Parcel service
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Net weight approx.	7 kg
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Gross weight approx.	8 kg
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Shipping weight	8,4 kg
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Product information

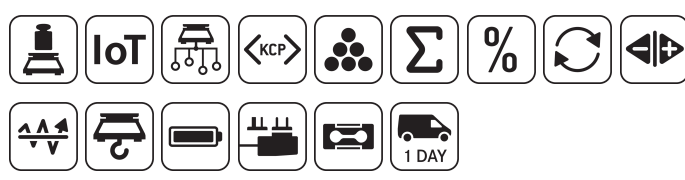
GTIN/EAN number	404576 13 12388
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Trade number	84238 129
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REACH classification	no prohibited substances
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Pictograms

STANDARD



OPTION

