

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

Construction type of the scale	Single-range balance
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
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Recommended adjusting weight	30 kg (F2)
Possible calibration points	10 kg; 20 kg; 30 kg
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,005 kg
Maximum creep (15 minutes)	4 g
Maximum creep (30 minutes)	8 g
Default unit	kg

Units	kg
	g
	gn
	dwt
	ozt
	lb
	oz
	ffa
	PCS
	%

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)	15.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	2 g
Smallest piece weight when piece counting - normal conditions	20 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 unit
Plug-in 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

Input voltage device / power [Max] 5,9V, 1A

Battery / accumulator type Li-Ion

Battery 4×1.5 V AA

Battery connection Battery insert

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 - intern

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 ✓

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 969-517

Packing & Shipping

Delivery time 1 d

Dimensions packaging (W×D×H) 470×470×190 mm

Shipping method Parcel service

Net weight approx. 7 kg

Gross weight approx. 8 kg

Shipping weight 8,4 kg

Pictograms

STANDARD



OPTION

