KERN **FKB 6K0.02**

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]	6 kg
Readability [d]	0,00002 kg
Reproducibility	0,00004 kg
Linearity	± 0,0001 kg
Resolution	300.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	5 kg (F1); 1 kg (F1)
Possible calibration points	2 kg; 4 kg; 6 kg
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,0001 kg
Construction type of the scale	Single-range balance
Units	kg g gn dwt ozt lb oz ffa PCS %
Maximum creep (15 minutes)	200 mg
Maximum creep (30 minutes)	400 mg
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	✓
Conversion function	✓
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)	300.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	20 mg
Smallest piece weight when piece counting - normal conditions	200 mg
Reference quantity	5, 10, 20, 50, n (any number of pieces)
IP protection - display	no IP protection
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min 2 min 1 min 30 min

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	60 min 30 sec
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)
compatible with EasyTouch	✓

Power Supply

Supplied power supply	Power supply & battery function (battery not included)
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	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
Humity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Approval

CE mark	✓

Services (optional)

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

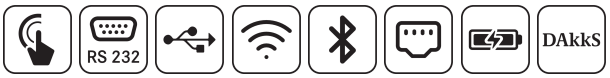
Packing & Shipping

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

Product information

GTIN/EAN number	4045761357570
Trade number	90160010
REACH classification	no prohibited substances

Pictograms

STANDARD

OPTION