KERN **FKB 16K0.1**

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

Category

Brand	KERN
Product categoriy	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]	16 kg
Readability [d]	0,0001 kg
Resolution	160.000
Linearity	± 0,0003 kg
Reproducibility	0,0001 kg
Default unit	kg
Units	kg g gn dwt ozt lb oz ffa
Adjustment options	Adjusting with external weight
Recommended adjusting weight	10 kg (F1); 5 kg (F1); 1 kg (F1)
Possible calibration points	5 kg; 10 kg; 15 kg
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,0005 kg
Maximum creep (15 minutes)	1 g
Maximum creep (30 minutes)	2 g

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

Functions

Number of keys for operation	6
Auto-off interval(s) in mains power mode	off
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min 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	✓
Conversion function	✓
Recipe/summing level	Sum A
Underfloor weighing	Hook (included in delivery)
Interfaces	RS-232 (optional) Ethernet (optional) Bluetooth BLE (v4.0) (optional) USB-Device (optional)

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	KUP
	WiFi (optional)
IP protection - display	no IP protection

Counting

Smallest piece weight when piece counting - laboratory conditions	100 mg
Smallest piece weight when piece counting - normal conditions	1 g
Counting reference weight can be entered	✓
Reference quantity	5, 10, 20, 50, n (any number of pieces)
Counting resolution (laboratory conditions)	160.000

Power Supply

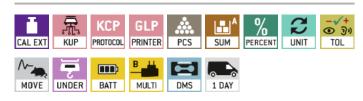|	
Input voltage power supply / power [Max]	100 V - 240 V AC, 50 / 60 Hz
Input voltage device / power [Max]	5,9V, 1A
Plug-in power supply type	Power adapter
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
Plug-in power supply / adapter for countries - optional	EURO UK US CH
Rechargeable battery optional	Rchrg. battery optional - intern
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 connection	Battery insert
Battery operating time	20 h

Environmental conditions

Humity of environment [Max]	80 %
Ambient temperature [Min]	-10 °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)	470×470×190 mm
Net weight	6,5 kg
Shipping method	Parcel service
Net weight approx.	7 kg
Gross weight approx.	8 kg
Shipping weight	8,4 kg

Services (optional)

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

Pictograms

STANDARD

CAL EXT | KUP | KCP PROTOCOL | GLP PRINTER | PCS | SUM | PERCENT | UNIT | TOL

MOVE | UNDER | BATT | MULTI | DMS | 1 DAY

OPTION

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