

# KERN FKB 16K0.05

**KERN**

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]	16 kg
Readability [d]	0,00005 kg
Reproducibility	0,0001 kg
Linearity	± 0,00025 kg
Resolution	320.000

Adjustment options	Adjusting with external weight
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Recommended adjusting weight	10 kg (F1); 5 kg (F1); 1 kg (F1)
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Possible calibration points	5 kg; 10 kg; 15 kg
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Stabilization time	3 s
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Warm-up time	120 min
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Eccentric loading at 1/3 [Max]	0,00025 kg
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Maximum creep (15 minutes)	500 mg
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Maximum creep (30 minutes)	1 g
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Default unit	kg
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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	✓
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)	320.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	50 mg
Smallest piece weight when piece counting - normal conditions	500 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

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	1 min 30 min 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 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	✓
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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)	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

