

KERN FKB 16K0.05

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
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]	0,00025 kg
Maximum creep (15 minutes)	500 mg
Maximum creep (30 minutes)	1 g
Default unit	kg
Units	kg
	g
	gn
	dwt
	ozt
	lb
	oz
ffa	

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	Plastics
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
	1 min 30 min

KERN FKB 16K0.05



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

	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)
EasyTouch (ET) - Compatibility	vollständig

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

Packing & Shipping	
Delivery time	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

Pictograms

STANDARD



OPTION

