

KERN FKB 16K0.05



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



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)

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
 Resolution 320.000
 Linearity ± 0,00025 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] 0,00025 kg

Maximum creep (15 minutes) 500 mg

Maximum creep (30 minutes) 1 g

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

Counting

Smallest piece weight when piece counting - laboratory conditions	50 mg
Smallest piece weight when piece counting - normal conditions	500 mg
Counting reference weight can be entered	✓
Reference quantity	5, 10, 20, 50, n (any number of pieces)
Counting resolution (laboratory conditions)	320.000

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

Humidity 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



OPTION

