

# KERN FKB 30K1



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 ✓  
 Recipe/summing level Sum A  
 Underfloor weighing Hook (included in delivery)  
 RS-232 (optional)  
 Ethernet (optional)  
 Interfaces 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] 30 kg  
 Readability [d] 0,001 kg  
 Resolution 30.000  
 Linearity ± 0,003 kg  
 Reproducibility 0,001 kg  
 Default unit kg

Units kg  
 g  
 gn  
 dwt  
 ozt  
 lb  
 oz  
 ffa

Adjustment options Adjusting with external weight  
 Recommended adjusting weight 30 kg (F2)  
 Possible calibration points 10 kg; 20 kg; 30 kg  
 Stabilization time 3 s  
 Warm-up time 120 min  
 Eccentric loading at 1/3 [Max] 0,005 kg  
 Maximum creep (15 minutes) 4 g  
 Maximum creep (30 minutes) 8 g

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

## Counting

Smallest piece weight when piece counting - laboratory conditions	2 g
Smallest piece weight when piece counting - normal conditions	20 g
Counting reference weight can be entered	✓
Reference quantity	5, 10, 20, 50, n (any number of pieces)
Counting resolution (laboratory conditions)	15.000

## 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 adjustment at the location of installation	961-248
Article number for DAkkS calibration	963-128
Article number for certificate of conformity (verification)	969-517

## Pictograms

### STANDARD



### OPTION

