KERN EFC 100K-3L



Platform scale with integrated rechargeable battery pack, a bright LED display and a column for greatest ease of use



Category	
Brand	KERN
Product categoriy	Industrial scale
Product group	Platform scale
Product family	EFC

Construction type of the scale Weighing system Weighing capacity [Max] Readability [d] Reproducibility Units Strain gauge O,01 kg Readability [d] O,01 kg Reproducibility Units Strain gauge Strain gaug	Measuring System	
Weighing capacity [Max] Readability [d] Reproducibility Linearity Experiment options Adjustment options Recommended adjusting weight Recommended adjusting weight Possible calibration points Stabilization time Experiment options Warm-up time Experiment options Maximum creep (15 minutes) Maximum creep (30 minutes) Default unit Loadcell type 150 kg 0,01 kg Adjusting with external weight 150 kg (F2) 15 kg; 30 kg; 50 kg; 75 kg; 100 kg; 125 kg; 150 kg 150 kg	Construction type of the scale	Single-range balance
Readability [d] 0,01 kg Reproducibility 0,01 kg Linearity ± 0,03 kg Resolution 15.000 Adjustment options Adjusting with external weight Recommended adjusting weight 150 kg (F2) 15 kg; 30 kg; 50 kg; 75 kg; 100 kg; 125 kg; 150 kg Stabilization time 2 s Warm-up time 30 min Eccentric loading at 1/3 [Max] 0,05 kg Maximum creep (15 minutes) 40 g Maximum creep (30 minutes) 80 g Default unit kg Units Ib PCS Loadcell type aluminium IP65 silicone-coated	Weighing system	Strain gauge
Reproducibility Linearity Einearity Einearity Resolution Adjustment options Recommended adjusting weight Recommended adjusting weight Recommended adjusting weight Fossible calibration points Einearity Einearit	Weighing capacity [Max]	150 kg
Linearity ± 0,03 kg Resolution 15.000 Adjustment options Adjusting with external weight Recommended adjusting weight 150 kg (F2) 15 kg; 30 kg; 50 kg; 75 kg; 100 kg; 125 kg; 150 kg Stabilization time 2 s Warm-up time 30 min Eccentric loading at 1/3 [Max] 0,05 kg Maximum creep (15 minutes) 40 g Maximum creep (30 minutes) 80 g Default unit kg Units Ib PCS Loadcell type aluminium IP65 silicone-coated	Readability [d]	0,01 kg
Resolution 15.000 Adjustment options Adjusting with external weight Recommended adjusting weight 150 kg (F2) 15 kg; 30 kg; 50 kg; 75 kg; 100 kg; 125 kg; 150 kg Stabilization time 2 s Warm-up time 30 min Eccentric loading at 1/3 [Max] 0,05 kg Maximum creep (15 minutes) 40 g Maximum creep (30 minutes) 80 g Default unit kg Units Ib PCS Loadcell type aluminium IP65 silicone-coated	Reproducibility	0,01 kg
Adjustment options Recommended adjusting weight Recommended adjusting weight 150 kg (F2) 15 kg; 30 kg; 50 kg; 75 kg; 100 kg; 125 kg; 150 kg Stabilization time 2 s Warm-up time 30 min Eccentric loading at 1/3 [Max] Maximum creep (15 minutes) Maximum creep (30 minutes) Default unit kg Units Loadcell type Adjusting with external weight ### 150 kg ### 150 kg; 125 kg; 150 kg ### 40 kg ### 150 kg ### 100 kg; 125 kg; 150 ### 150 kg ### 150 kg ### 100 kg; 125 kg; 150 ### 150 kg ### 150 kg ### 100 kg; 125 kg; 150 ### 150 kg ### 15	Linearity	± 0,03 kg
Adjustment options Recommended adjusting weight 150 kg (F2) 15 kg; 30 kg; 50 kg; 75 kg; 100 kg; 125 kg; 150 kg Stabilization time 2 s Warm-up time 30 min Eccentric loading at 1/3 [Max] Maximum creep (15 minutes) Maximum creep (30 minutes) Default unit kg Units Loadcell type weight 150 kg (F2) 15 kg; 30 kg; 50 kg; 75 kg 100 kg; 125 kg; 150 kg 90 minutes 40 g Maximum creep (30 minutes) Bo g Default unit kg Units Loadcell type	Resolution	15.000
Possible calibration points 15 kg; 30 kg; 50 kg; 75 kg; 100 kg; 125 kg; 150 kg Stabilization time 2 s	Adjustment options	
Possible calibration points kg; 100 kg; 125 kg; 150 kg Stabilization time 2 s Warm-up time 30 min Eccentric loading at 1/3 [Max] Maximum creep (15 minutes) Maximum creep (30 minutes) Default unit kg Units Loadcell type kg; 100 kg; 125 kg; 150 kg 80 minutes 40 g kg Loadcell type aluminium IP65 silicone-coated	Recommended adjusting weight	150 kg (F2)
Warm-up time 30 min Eccentric loading at 1/3 [Max] 0,05 kg Maximum creep (15 minutes) 40 g Maximum creep (30 minutes) 80 g Default unit kg Units lb PCS Loadcell type aluminium IP65 silicone-coated	Possible calibration points	kg; 100 kg; 125 kg; 150
Eccentric loading at 1/3 [Max] 0,05 kg Maximum creep (15 minutes) 40 g Maximum creep (30 minutes) 80 g Default unit kg Units lb PCS Loadcell type aluminium IP65 silicone-coated	Stabilization time	2 s
Maximum creep (15 minutes) Maximum creep (30 minutes) Default unit kg Units Loadcell type 40 g kg kg kg Loadcell type aluminium IP65 silicone-coated	Warm-up time	30 min
Maximum creep (30 minutes) Default unit kg Units lb PCS Loadcell type aluminium IP65 silicone- coated	Eccentric loading at 1/3 [Max]	0,05 kg
Default unit kg kg Units lb PCS Loadcell type aluminium IP65 silicone- coated	Maximum creep (15 minutes)	40 g
Units kg Units lb PCS Loadcell type aluminium IP65 silicone- coated	Maximum creep (30 minutes)	80 g
Units Ib PCS Loadcell type aluminium IP65 silicone- coated	Default unit	kg
Loadcell type coated	Units	lb
Load cell connection 4-wire	Loadcell type	
	Load cell connection	4-wire

Display	
Display type	LED segments
Display type	LED segments
Display backlight	no
Display screen size	165×64 mm
Display segments	6
Display digit height - smallest digit	52 mm
Display digit height	52 mm
Languages of the user interface	Symbol language

Construction	
Dimensions completely mounted (W×D×H)	500×730×815 mm
Dimension display device (W×D×H)	252×162×57 mm
Dimensions weighing surface (W×D)	600×500 mm
Dimensions weighing surface	600×500 mm
Dimensions weighing platform (W×D×H)	600×500×140 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	steel, varnished
Material display housing	Plastics
Material load cell(s)	aluminium
Level indicator	✓
Levelling feet adjustable	✓
Stand height	600 mm
Stand rotatable	✓
Stand inclinable	✓
Display device cable length	3 m
Load cells - number	1

Functions	
Sum memory function	✓
Recipe/summing level	Sum A
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
Standby function	✓
Counting function	✓
Counting resolution (laboratory conditions)	30.000
Counting reference weight can be entered	1
Smallest piece weight when piece counting - laboratory conditions	5 g

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Smallest piece weight when piece counting - normal conditions	50 g
Reference quantity	n (any number of pieces)
IP protection - display	no IP protection
Tare function	manual (single & multi)
Number of keys for operation	7

Interface	
Interfaces	RS-232 standard

Power Supply	
Supplied power supply	Accu & Power supply
Plug-in power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO UK
Plug-in power supply / adapter for countries - optional	EURO UK
Input voltage power supply / power [Max]	100 - 240 V 50/60 Hz 0.5 A
Input voltage device / power [Max]	5 V, 1 A
Battery / accumulator type	Li-lon
Battery capacity	4.000 mAh
Battery voltage	3,7 V
Rechargeable battery operating time - backlight on	30 h
Rechargeable battery operating time - backlight off	50 h

Environmental conditions	
Ambient temperature [Min]	0 °C
Ambient temperature [Max]	40 °C
Humity of environment [Min]	0 %
Humity of environment [Max]	80 %

Approval		
CE mark	✓	
Services (optional)		

061-249
63-129
069-517
) (

Packing & Shipping		
Delivery time	1 d	

Dimensions packaging (W×D×H)	1030×630×220 mm
Shipping method	Parcel service
Net weight approx.	20 kg
Gross weight approx.	22 kg
Shipping weight	28,6 kg

Pictograms

STANDARD



OPTION

MULTI DMS

