KERN EFC 30K-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] Resolution Linearity £ 0,004 kg Reproducibility Default unit kg Units Adjustment options Recommended adjusting weight Recommended adjusting weight Possible calibration points Stabilization time Eccentric loading at 1/3 [Max] Maximum creep (30 minutes) Load cell connection Strain gauge Stagues Ady Stagues Stagues Stagues Stagues Strain gauge Stagues Stagues Stagues Stagues Stagues Strain gauge Stagues Stagu	Measuring System	
Weighing capacity [Max] 30 kg Readability [d] 0,002 kg Resolution 15.000 Linearity ± 0,004 kg Reproducibility 0,004 kg Default unit kg Units lb PCS Adjustment options Adjusting with external weight Recommended adjusting weight 30 kg (M1) Possible calibration points 3 kg; 6 kg; 10 kg; 15 kg; 20 kg; 30 kg Stabilization time 2 s Warm-up time 30 min Eccentric loading at 1/3 [Max] 0,006 kg Maximum creep (15 minutes) 8 g Maximum creep (30 minutes) 16 g Loadcell type aluminium IP65 silicone-coated	Construction type of the scale	Single-range balance
Readability [d] 0,002 kg Resolution 15.000 Linearity ± 0,004 kg Reproducibility 0,004 kg Default unit kg Units lb PCS Adjustment options Adjusting with external weight Recommended adjusting weight 30 kg (M1) Possible calibration points 3 kg; 6 kg; 10 kg; 15 kg; 20 kg; 30 kg Stabilization time 2 s Warm-up time 30 min Eccentric loading at 1/3 [Max] 0,006 kg Maximum creep (15 minutes) 8 g Maximum creep (30 minutes) 16 g Loadcell type aluminium IP65 silicone-coated	Weighing system	Strain gauge
Resolution 15.000 Linearity ± 0,004 kg Reproducibility 0,004 kg Default unit kg Units lb PCS Adjustment options Adjusting with external weight Recommended adjusting weight 30 kg (M1) Possible calibration points 3 kg; 6 kg; 10 kg; 15 kg; 20 kg; 30 kg Stabilization time 2 s Warm-up time 30 min Eccentric loading at 1/3 [Max] 0,006 kg Maximum creep (15 minutes) 8 g Loadcell type aluminium IP65 silicone-coated	Weighing capacity [Max]	30 kg
Linearity ± 0,004 kg Reproducibility 0,004 kg Default unit kg Units kg Units lb PCS Adjustment options Adjusting with external weight Recommended adjusting weight 30 kg (M1) Possible calibration points 3 kg; 6 kg; 10 kg; 15 kg; 20 kg; 30 kg Stabilization time 2 s Warm-up time 30 min Eccentric loading at 1/3 [Max] 0,006 kg Maximum creep (15 minutes) 8 g Maximum creep (30 minutes) 16 g Loadcell type aluminium IP65 silicone-coated	Readability [d]	0,002 kg
Reproducibility Default unit kg Units Loadcell type O,004 kg kg kg lb PCS Adjustment options Adjusting with external weight weight 30 kg (M1) 3 kg; 6 kg; 10 kg; 15 kg; 20 kg; 30 kg Stabilization time 2 s Warm-up time 30 min Eccentric loading at 1/3 [Max] Maximum creep (30 minutes) Loadcell type O,006 kg aluminium IP65 silicone-coated	Resolution	15.000
Default unit Wight Units Adjustment options Adjusting with external weight Recommended adjusting weight Possible calibration points Stabilization time Warm-up time Eccentric loading at 1/3 [Max] Maximum creep (15 minutes) Maximum creep (30 minutes) Loadcell type Wight Adjusting with external weight 30 kg (M1) 3 kg; 6 kg; 10 kg; 15 kg; 20 kg; 30 kg 10 minutes 2 s 4 aluminium IP65 silicone-coated	Linearity	± 0,004 kg
Units kg Ib PCS Adjustment options Adjusting with external weight Recommended adjusting weight 30 kg (M1) Possible calibration points 3 kg; 6 kg; 10 kg; 15 kg; 20 kg; 30 kg Stabilization time 2 s Warm-up time 30 min Eccentric loading at 1/3 [Max] Maximum creep (15 minutes) 8 g Maximum creep (30 minutes) 16 g Loadcell type aluminium IP65 silicone-coated	Reproducibility	0,004 kg
Units Doc	Default unit	kg
Recommended adjusting weight Recommended adjusting weight 30 kg (M1) Possible calibration points 3 kg; 6 kg; 10 kg; 15 kg; 20 kg; 30 kg Stabilization time 2 s Warm-up time 30 min Eccentric loading at 1/3 [Max] 0,006 kg Maximum creep (15 minutes) 8 g Maximum creep (30 minutes) 16 g Loadcell type aluminium IP65 silicone-coated	Units	lb
Possible calibration points 3 kg; 6 kg; 10 kg; 15 kg; 20 kg; 30 kg Stabilization time 2 s Warm-up time 30 min Eccentric loading at 1/3 [Max] 0,006 kg Maximum creep (15 minutes) 8 g Maximum creep (30 minutes) 16 g Loadcell type aluminium IP65 silicone-coated	Adjustment options	
Stabilization time 2 s Warm-up time 30 min Eccentric loading at 1/3 [Max] Maximum creep (15 minutes) Maximum creep (30 minutes) Loadcell type 2 s 30 min 0,006 kg 4 g aluminium IP65 silicone-coated	Recommended adjusting weight	30 kg (M1)
Warm-up time 30 min Eccentric loading at 1/3 [Max] 0,006 kg Maximum creep (15 minutes) 8 g Maximum creep (30 minutes) 16 g Loadcell type aluminium IP65 silicone-coated	Possible calibration points	
Eccentric loading at 1/3 [Max] 0,006 kg Maximum creep (15 minutes) 8 g Maximum creep (30 minutes) 16 g Loadcell type aluminium IP65 silicone-coated	Stabilization time	2 s
Maximum creep (15 minutes) 8 g Maximum creep (30 minutes) 16 g Loadcell type aluminium IP65 silicone-coated	Warm-up time	30 min
Maximum creep (30 minutes) Loadcell type 16 g aluminium IP65 silicone- coated	Eccentric loading at 1/3 [Max]	0,006 kg
Loadcell type aluminium IP65 silicone- coated	Maximum creep (15 minutes)	8 g
Loadcell type coated	Maximum creep (30 minutes)	16 g
Load cell connection 4-wire	Loadcell type	
	Load cell connection	4-wire

Approval	
CE mark	✓
Display	
Display type	LED segments
Display type	LED segments
Display screen size	165×64 mm
Display backlight	no
Display digit height - smallest digit	52 mm
Display digit height	52 mm
Languages of the user interface	Symbol language
Construction	
Dimension display device (W×D×H)	252×162×57 mm
Dimension display device (W×D×H) Dimensions weighing platform (W×D×H)	252×162×57 mm 500×400×120 mm
Dimensions weighing platform	
Dimensions weighing platform (W×D×H)	500×400×120 mm
Dimensions weighing platform (W×D×H) Material display housing	500×400×120 mm Plastics
Dimensions weighing platform (W×D×H) Material display housing Material housing	500×400×120 mm Plastics plastic
Dimensions weighing platform (W×D×H) Material display housing Material housing Material weighing plate	500×400×120 mm Plastics plastic stainless steel
Dimensions weighing platform (W×D×H) Material display housing Material housing Material weighing plate Material platform Dimensions weighing surface	500×400×120 mm Plastics plastic stainless steel steel, varnished
Dimensions weighing platform (W×D×H) Material display housing Material housing Material weighing plate Material platform Dimensions weighing surface (W×D)	500×400×120 mm Plastics plastic stainless steel steel, varnished 500×400 mm
Dimensions weighing platform (W×D×H) Material display housing Material housing Material weighing plate Material platform Dimensions weighing surface (W×D) Display device cable length	500×400×120 mm Plastics plastic stainless steel steel, varnished 500×400 mm 3 m
Dimensions weighing platform (W×D×H) Material display housing Material housing Material weighing plate Material platform Dimensions weighing surface (W×D) Display device cable length Material load cell(s)	500×400×120 mm Plastics plastic stainless steel steel, varnished 500×400 mm 3 m aluminium
Dimensions weighing platform (W×D×H) Material display housing Material housing Material weighing plate Material platform Dimensions weighing surface (W×D) Display device cable length Material load cell(s) Load cells - number	500×400×120 mm Plastics plastic stainless steel steel, varnished 500×400 mm 3 m aluminium 1
Dimensions weighing platform (W×D×H) Material display housing Material housing Material weighing plate Material platform Dimensions weighing surface (W×D) Display device cable length Material load cell(s) Load cells - number Levelling feet adjustable	500×400×120 mm Plastics plastic stainless steel steel, varnished 500×400 mm 3 m aluminium 1

Functions	
Number of keys for operation	7
Tare function	manual (single & multi)
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
Standby function	✓
Recipe/summing level	Sum A
Sum memory function	✓
Interfaces	RS-232 standard
IP protection - display	no IP protection

1

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Counting	
Smallest piece weight when piece counting - laboratory conditions	1 g
Smallest piece weight when piece counting - normal conditions	10 g
Counting reference weight can be entered	✓
Reference quantity	n (any number of pieces)
Counting resolution (laboratory conditions)	30.000

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

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

Packing & Shipping	
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	930×550×220 mm
Net weight	10,5 kg
Shipping method	Parcel service
Net weight approx.	11 kg
Gross weight approx.	13 kg
Shipping weight	22,5 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

