

KERN IFS 100K-3L

Industrial counting scale with convenient decimal keypad for easy data entry, counting resolution 60.000 points



Display

Display type	LCD
Display backlight	✓
Display digit height - smallest digit	13,5 mm
Display digit height	16,5 mm

Construction

Dimension display device (W×D×H)	260×150×65 mm
Dimensions weighing platform (W×D×H)	650×500×140 mm
Dimensions completely mounted (W×D×H)	650×500×745 mm
Material display housing	Plastics
Material weighing plate	stainless steel
Material platform	mild steel
Dimensions weighing surface (W×D)	650×500 mm
Display device cable length	3 m
Material load cell(s)	aluminium
Load cells - number	1
Levelling feet adjustable	✓
Wall mount	✓
Stand height	600 mm
Stand inclinable	✓

Functions

Number of keys for operation	21
Auto-off interval(s) in mains power mode	selectable
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off
PreTare function	✓
Tare function	manual (multi)
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Peak function	✓
Recipe/summing level	Sum A
PLU - total	100
Sum memory function	✓
Memory function	✓
Interfaces	RS-232 standard
IP protection - complete device	-
IP protection - display	no IP protection
IP protection - load cell	IP65
IP protection - platform	no IP protection

Category

Brand	KERN
Product category	Industrial scale
Product group	Counting scale
Product family	IFS

Measuring System

Construction type of the scale	Multi-division balance
Weighing system	Strain gauge
Weighing capacity [Max]	75 kg; 150 kg
Readability [d]	0,001 kg; 0,002 kg
Resolution	75.000, 75.000
Linearity	± 0,006 kg; 0,01 kg
Reproducibility	0,001 kg; 0,002 kg
Tare range	-150 kg
Default unit	kg
Units	kg
Units (if device is conformity assessed)	kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	150 kg (F2)
Stabilization time	2 s
Warm-up time	120 min; 120 min
Eccentric loading at 1/3 [Max]	0,01 kg; 0,02 kg
Maximum creep (15 minutes)	20 g
Maximum creep (30 minutes)	40 g
Loadcell type	aluminium IP65 silicone-coated
Load cell connection	6-wire

Approval

CE mark	✓
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Counting

Smallest piece weight when piece counting - laboratory conditions	2,5 g
Smallest piece weight when piece counting - normal conditions	25 g
Counting reference weight can be entered	✓
Reference quantity	n (any number of pieces)
Counting resolution (laboratory conditions)	60.000

Power Supply

Input voltage power supply / power [Max]	100 - 240 V~ 50/60 Hz 190 mA
Input voltage device / power [Max]	12 V, 500 mA
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 AUS UK US CH
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Rechargeable battery optional	Rchrg. battery optional (factory)
Rechargeable battery charging time	12 h
Rechargeable battery operating time - backlight on	8 h
Rechargeable battery operating time - backlight off	18 h
Battery / accumulator type	Pb

Environmental conditions

Humidity of environment [Min]	0 %
Humidity of environment [Max]	80 %
Ambient temperature [Min]	0 °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)	1045×660×240 mm
Net weight	19,9 kg
Shipping method	Parcel service

Net weight approx.	20 kg
Gross weight approx.	26 kg
Shipping weight	33,1 kg

Services (optional)

Article number for DAkkS calibration	963-129
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



OPTION



FACTORY

