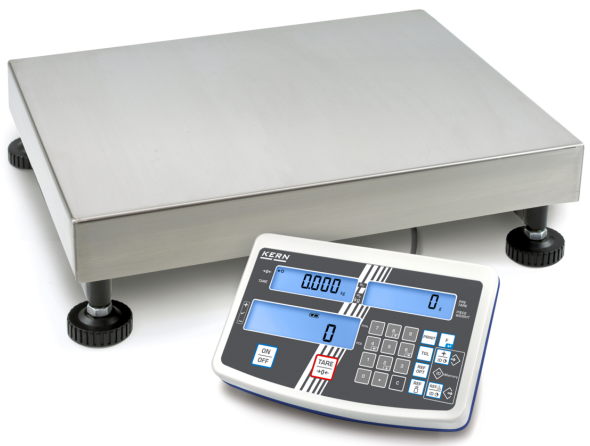
KERN **IFS 100K-3**

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



Date of creation: 03.10.2026

Category

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

Measuring System

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

Display

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

Construction

Dimensions completely mounted (W×D×H)	500×400×737 mm
Dimension display device (W×D×H)	260×150×65 mm
Dimensions weighing surface (W×D)	500×400 mm
Dimensions weighing surface	500×400 mm
Dimensions weighing platform (W×D×H)	500×400×140 mm
Material weighing plate	stainless steel
Material platform	mild steel
Material display housing	plastic
Material load cell(s)	aluminium
Level indicator	✓
Levelling feet adjustable	✓
Stand height	600 mm
Stand inclinable	✓
Wall mount	✓
Display device cable length	3 m
Load cells - number	1

Functions

IP protection - complete device	-
IP protection - display	no IP protection
IP protection - platform	no IP protection
IP protection - load cell	IP65
Peak function	✓
PreTare function	✓
Sum memory function	✓
Tolerance weighing	✓
Counting function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off
Auto-off interval(s) in mains power mode	selectable
Tare function	manual (multi)
Counting resolution (laboratory conditions)	60.000
Counting reference weight can be entered	✓

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Smallest piece weight when piece counting - laboratory conditions	2,5 g
Reference quantity	n (any number of pieces)
PLU - total	100
Memory function	✓
Recipe/summing level	Sum A
Number of keys for operation	21
Smallest piece weight when piece counting - normal conditions	25 g
Tolerance weighing - type of signal	acoustically visual

Interface

Interfaces	RS-232 standard

Power Supply

Supplied power supply	Power supply unit
Power supply type	Power adapter
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
Power supply – Cable length	180 cm
Input voltage power supply / power [Max]	100 - 240 V~ 50/60 Hz 190 mA
Power supply cable removable	removable
Input voltage device / power [Max]	12 V, 500 mA
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 9,5 mm
Battery / accumulator type	Pb
Rechargeable battery	6 V, 1.2 Ah
Rechargeable battery operating time - backlight on	8 h
Rechargeable battery operating time - backlight off	18 h
Rechargeable battery charging time	12 h
Rechargeable battery optional	Rchrg. battery optional (factory)

Environmental conditions

Ambient temperature [Min]	0 °C
Ambient temperature [Max]	40 °C
Humity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Services (optional)

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

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	930×545×210 mm
Shipping method	Parcel service
Net weight approx.	12 kg
Gross weight approx.	15 kg
Shipping weight	21,3 kg
Shipping volume weight	21,3 kg

Product information

GTIN/EAN number	4045761144835
Trade number	84238220
Warranty Time	36 mon
REACH classification	no prohibited substances

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Pictograms

STANDARD

OPTION

FACTORY