

# KERN IFS 100K-2M

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



## Category

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

## Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	60 kg; 150 kg
Readability [d]	0,02 kg; 0,05 kg
Reproducibility	0,02 kg; 0,05 kg
Linearity	± 0,02 kg; 0,05 kg
Minimum weight [Min]	0,4 kg; 1 kg
Resolution	3.000, 3.000
Tare range	150 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	150 kg (M1)
Stabilization time	2 s
Eccentric loading at 1/3 [Max]	0,02 kg; 0,05 kg
Load cell connection	4-wire
Units (if device is conformity assessed)	kg
Construction type of the scale	Multi-range balance
Units	kg
Default unit	kg
Loadcell type	aluminium IP65 silicone-coated

## 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)	500×400×117 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	330 mm
Stand inclinable	✓
Wall mount	✓
Cable length	2,5 m
Display device cable length	3 m
Load cells - number	1

## Functions

PreTare function	✓
Sum memory function	✓
Recipe/summing level	Sum A
PLU - total	100
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Counting function	✓
Counting resolution (laboratory conditions)	60.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	2,5 g
Smallest piece weight when piece counting - normal conditions	25 g
Reference quantity	n (any number of pieces)
IP protection - complete device	-
IP protection - display	no IP protection
IP protection - platform	no IP protection
IP protection - load cell	IP65
Peak function	✓
Memory function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off

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Auto-off interval(s) in mains power mode	off
Tare function	manual (multi)
Number of keys for operation	21

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
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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
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Battery / accumulator type	Pb
Rechargeable battery	6 V, 1.2 Ah

Rechargeable battery operating time - backlight on	8 h
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Rechargeable battery operating time - backlight off	18 h
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Rechargeable battery charging time	12 h
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Rechargeable battery optional	Rchrg. battery optional (factory)
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## Environmental conditions

Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Humidity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

## Approval

CE mark	✓
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Conformity assessment possible ex works	✓
Accuracy classe	III
Verification scale interval [e]	0,02 kg; 0,05 kg

## Services (optional)

Article number for adjustment at the location of installation	961-249
Article number for conformity assessment	965-229
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

## Product information

GTIN/EAN number	404576 1150973
Trade number	84238220
REACH classification	no prohibited substances

## Pictograms

### STANDARD



### OPTION



### FACTORY

