

KERN IFC 30K-3

The new IFC: Robust industrial scales with up to three interfaces



Approval

CE mark	✓
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Display

Display type	LCD
Display type	LCD with backlight
Display screen size	160×60 mm
Display backlight	✓
Display digit height	48 mm
Languages of the user interface	English Symbol language

Construction

Dimension display device (W×D×H)	220×145×65 mm
Dimensions weighing platform (W×D×H)	400×300×117 mm
Material display housing	Plastics
Material weighing plate	stainless steel
Material platform	steel, powder-coated
Dimensions weighing surface (W×D)	400×300 mm
Display device cable length	3 m
Allowed cable length display device [Max]	3 m
Transport safety lock - bolt torque	0,1 Nm
Material load cell(s)	aluminium
Load cells - number	1
Levelling feet adjustable	✓
Wall mount	✓
Stand rotatable	no
Stand inclinable	no

Functions

Number of keys for operation	7
Auto-off interval(s) in mains power mode	off
	5 min
	2 min
Auto-off interval(s) in battery mode/rechargeable battery mode	1 min
	30 min
	60 min
	30 sec
Capacity - Display	✓
PreTare function	✓
Tare function	manual (multi)
Hold function	✓
Percentage determination	✓
Counting function	✓

Category

Brand	KERN
Product category	Industrial scale
Product group	Platform scale
Product family	IFC

Measuring System

Construction type of the scale	Single-range balance
Number of weighing ranges	1
Weighing system	Strain gauge
Weighing capacity [Max]	30 kg
Readability [d]	0,001 kg
Resolution	30.000
Linearity	± 0,004 kg
Reproducibility	0,001 kg
Default unit	kg

Units	kg
	g
	lb
	ffa
	PCS
	%

Adjustment options	Adjusting with external weight
Recommended adjusting weight	30 kg (M1)
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,005 kg
Maximum creep (15 minutes)	4 g
Maximum creep (30 minutes)	8 g
Loadcell type	aluminium IP65 silicone-coated
Load cell connection	4-wire

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Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
Recipe/summing level	Sum A
Sum memory function	✓
Alibi memory	optional internal memory
Alibi memory - number of memory spaces	250.000
Interfaces	RS-232 (optional) Ethernet (optional) Alibi memory (optional, factory) analogue (0 - 10 V) (optional) analogue (4 - 20 mA) (optional) Bluetooth BLE (v4.0) (optional) USB-Device (optional) KUP WiFi (optional)
IP protection - complete device	-
IP protection - display	no IP protection
IP protection - load cell	IP65
IP protection - platform	no IP protection

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	5, 10, 20, 50, n (any number of pieces)
Counting resolution (laboratory conditions)	30.000

Power Supply

Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Input voltage device / power [Max]	5,9V, 1A
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 UK US CH
Rechargeable battery optional	Rchrg. battery optional - intern
Rechargeable battery charging time	8 h
Rechargeable battery operating time - backlight on	20 h
Rechargeable battery operating time - backlight off	48 h
Battery	3 V CR2032
Battery / accumulator type	Li-Ion
Battery capacity	220 mAh
Battery voltage	3 V

Environmental conditions

Humidity of environment [Min]	0 %
Humidity of environment [Max]	80 %
Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	466×794×228 mm
Net weight	7,5 kg
Shipping method	Parcel service
Net weight approx.	8 kg
Gross weight approx.	9 kg
Shipping weight	16,9 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

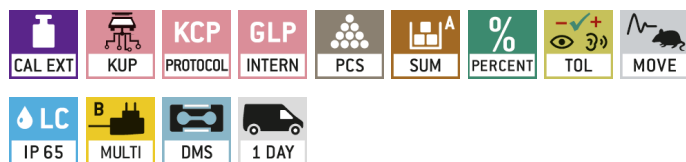
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Pictograms

STANDARD



OPTION

