

KERN IFC 6K1DM



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



Load cell connection 4-wire

Display

Display type	LCD
Display type	LCD with backlight
Display backlight	✓
Display screen size	160×60 mm
Display segments	6
Display digit height	48 mm
Languages of the user interface	English Symbol language

Construction

Dimension display device (W×D×H)	220×150×66,5 mm
Dimensions weighing surface (W×D)	300×240 mm
Dimensions weighing surface	300×240 mm
Dimensions weighing platform (W×D×H)	300×240×109 mm
Material weighing plate	stainless steel
Material platform	steel, powder-coated
Material display housing	plastic
Material load cell(s)	aluminium
Level indicator	✓
Levelling feet adjustable	✓
Stand rotatable	no
Stand inclinable	no
Wall mount	✓
Transport safety lock - bolt torque	0,1 Nm
Display device cable length	3 m
Allowed cable length display device [Max]	3 m
Platform Construction	Single-Cell
Load cells - number	1

Functions

PreTare function	✓
Sum memory function	✓
Recipe/summing level	Sum A
Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Alibi memory	optional internal memory
Alibi memory - number of memory spaces	250.000
Function for averaging under unstable weighing conditions	✓

Category

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

Measuring System

Construction type of the scale	Multi-range balance
Weighing system	Strain gauge
Number of weighing ranges	2
Weighing capacity [Max]	3000 g; 6000 g
Readability [d]	1 g; 2 g
Reproducibility	1 g; 2 g
Linearity	± 1 g; 2 g
Minimum weight [Min]	20 g; 40 g
Resolution	3.000, 3.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	6 kg (M1)
Stabilization time	3 s
Warm-up time	10 min; 10 min
Eccentric loading at 1/3 [Max]	1 g; 2 g
Default unit	g
	kg
	g
Units	ffa
	PCS
	%
Units (if device is conformity assessed)	kg
	g
Conformity assessment possible	✓
Loadcell type	aluminium IP65 silicone-coated

KERN IFC 6K1DM



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

Counting function	✓
Counting resolution (laboratory conditions)	6.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	1 g
Smallest piece weight when piece counting - normal conditions	10 g
Reference quantity	5, 10, 20, 50, n (any number of pieces)
Hold function	✓
IP protection - complete device	-
IP protection - display	no IP protection
IP protection - platform	no IP protection
IP protection - load cell	IP65
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min
	2 min
	1 min
	30 min
	60 min
	30 sec
Auto-off interval(s) in mains power mode	off
Tare function	manual (multi)
Number of keys for operation	7

Interface

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
compatible with EasyTouch	WiFi (optional)
	✓

Power Supply

Supplied power supply	Power supply unit
Plug-in 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
	UK
	US
	CH
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Input voltage device / power [Max]	5,9V, 1A
Battery / accumulator type	Li-Ion
Battery	3 V CR2032
Battery capacity	220 mAh
Battery voltage	3 V
Rechargeable battery	3,7 V, 3200mAh
Rechargeable battery operating time - backlight on	20 h
Rechargeable battery operating time - backlight off	48 h
Rechargeable battery charging time	8 h
Rechargeable battery optional	Rchrg. battery optional - intern

Environmental conditions

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

Approval

CE mark	✓
Conformity assessment possible ex works	✓
Accuracy classe	III
Verification scale interval [e]	1 g; 2 g

Services (optional)

Article number for adjustment at the location of installation	961-248
Article number for conformity assessment	965-228
Article number for DAkkS calibration	963-128
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	415×695×228 mm
Shipping method	Parcel service
Net weight approx.	6 kg

KERN IFC 6K1DM



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

Gross weight approx.	7 kg
Shipping weight	13,2 kg

Pictograms

STANDARD



OPTION



FACTORY

