KERN **IFB 600K-2-2023e**

Robust industrial scales with up to three interfaces

KERN

Loadcell type	aluminium IP65 silicone-coated
Load cell connection	6-wire

Approval

CE mark	✓

Display

Display type	LCD
Display type	LCD with backlight
Display screen size	160×60 mm
Display backlight	✓
Display digit height	50 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)	800×600×192 mm
Material display housing	Plastics
Material weighing plate	stainless steel
Material platform	steel, powder-coated
Dimensions weighing surface (W×D)	800×600 mm
Display device cable length	3 m
Allowed cable length display device [Max]	3 m
Material load cell(s)	aluminium
Load cells - number	1
Levelling feet adjustable	✓
Wall mount	✓
Stand rotatable	no
Stand inclinable	no

Category

Brand	KERN
Product categoriy	Industrial scale
Product group	Platform scale
Product family	IFB

Measuring System

Construction type of the scale	Single-range balance
Number of weighing ranges	1
Weighing system	Strain gauge
Weighing capacity [Max]	600 kg
Readability [d]	0,02 kg
Resolution	30.000
Linearity	± 0,06 kg
Reproducibility	0,02 kg
Default unit	kg
Units	kg g gn dwt ozt lb oz ffa
Units (if device is conformity assessed)	kg g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	600 kg (M1)
Possible calibration points	600 kg
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,1 kg
Maximum creep (15 minutes)	80 g
Maximum creep (30 minutes)	160 g

Functions

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

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Hold function	✓
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
Recipe/summing level	Sum A
Sum memory function	✓
Interfaces	RS-232 (optional) Ethernet (optional) 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	20 g
Smallest piece weight when piece counting - normal conditions	200 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 AC, 50 / 60 Hz
Input voltage device / power [Max]	6 V, 1 A
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	no battery
Battery / accumulator type	Li-Ion

Environmental conditions

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

Packing & Shipping

Readability force [d] (N)	2 d
Dimensions packaging (W×D×H)	1250×800×380 mm
Net weight	43 kg
Shipping method	Freight
Net weight approx.	44 kg
Gross weight approx.	70 kg
Shipping weight	76 kg

Services (optional)

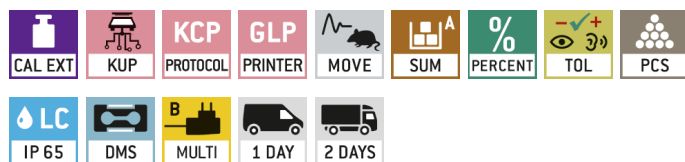|	
Article number for adjustment at the location of installation	961-250
Article number for DAkkS calibration	963-130
Article number for certificate of conformity (verification)	969-517

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Pictograms

STANDARD

CAL EXT	KUP	KCP PROTOCOL	GLP PRINTER	MOVE	SUM	PERCENT	TOL	PCS

IP 65	DMS	MULTI	1 DAY	2 DAYS

OPTION

ET	RS 232	USB	WIFI	BT 4.0	ANALOG	LAN	ACCU	DAkkS +3 DAYS