KERN **IFC 150K20DM**

Robust industrial scales with up to three interfaces, also with optional verification

KERN

Category

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

Measuring System

Conformity assessment possible	✓
Construction type of the scale	Multi-range balance
Number of weighing ranges	2
Weighing system	Strain gauge
Weighing capacity [Max]	60 kg; 150 kg
Readability [d]	0,02 kg; 0,05 kg
Resolution	3.000, 3.000
Linearity	± 0,02 kg; 0,05 kg
Reproducibility	0,02 kg; 0,05 kg
Default unit	kg
Units	kg
Units (if device is conformity assessed)	kg g
Minimum weight [Min]	0,4 kg; 1 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	150 kg (M1)
Possible calibration points	50 kg; 100 kg; 150 kg
Stabilization time	3 s
Warm-up time	10 min; 10 min
Eccentric loading at 1/3 [Max]	0,1 kg; 0,25 kg
Loadcell type	aluminium IP65 silicone-coated
Load cell connection	6-wire

Approval

CE mark	✓

Pattern approval for conformity assessment	✓
Accuracy classe	III
Verification scale interval [e]	0,02 kg; 0,05 kg
Conformity assessment possible ex works	✓

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)	500×400×124 mm
Material display housing	Plastics
Material weighing plate	stainless steel
Material platform	steel, varnished
Dimensions weighing surface (W×D)	500×400 mm
Display device cable length	3 m
Allowed cable length display device [Max]	20 m
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
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)
Hold function	✓

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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	✓
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	5 g
Smallest piece weight when piece counting - normal conditions	50 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	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)	1 d
Dimensions packaging (W×D×H)	555×930×215 mm
Net weight	11 kg
Shipping method	Parcel service
Net weight approx.	11 kg
Gross weight approx.	17 kg
Shipping weight	22,2 kg

Services (optional)

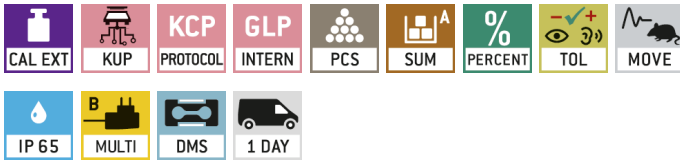|	
Article number for adjustment at the location of installation	961-249
Article number for conformity assessment	965-229
Article number for DAkkS calibration	963-129
Article number for certificate of conformity (verification)	969-517

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Pictograms

STANDARD

CAL EXT	KUP	KCP PROTOCOL	GLP INTERN	PCS	SUM	PERCENT	TOL	MOVE
IP 65	MULTI	DMS	1 DAY					

OPTION

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

FACTORY

ALIBI	+3 DAYS