

KERN IFC 150K20DM

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



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	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)	500×400×127 mm
Material display housing	Plastics
Material weighing plate	stainless steel
Material platform	steel, powder-coated
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
	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	✓
Tolerance weighing	✓

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

Measuring System	
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 g
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)
Stabilization time	3 s
Warm-up time	10 min; 10 min
Eccentric loading at 1/3 [Max]	0,02 kg; 0,05 kg
Loadcell type	aluminium IP65 silicone-coated
Load cell connection	6-wire

Approval	
CE mark	✓
Accuracy classe	III

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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	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)	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

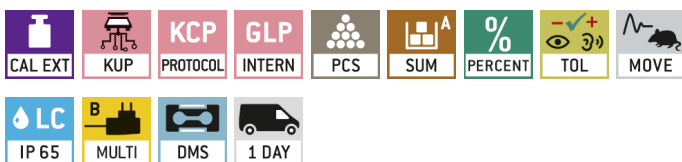
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Pictograms

STANDARD



OPTION



FACTORY

