

# KERN BID 1T-4DM

# KERN

Multi-range floor scale with the best price-to-performance ratio, verification optional



Conformity assessment possible	✓
Loadcell type	KELI SQB
Load cell connection	4-wire

Display	
Display type	LCD
Display type	LCD
Display backlight	✓
Display screen size	110×35 mm
Display segments	6
Display digit height - smallest digit	25 mm
Display digit height	25 mm
Languages of the user interface	Symbol language

Construction	
Dimension display device (W×D×H)	268×115×80 mm
Dimensions weighing surface (W×D)	1200×1500 mm
Dimensions weighing surface	1200×1500 mm
Dimensions weighing platform (W×D×H)	1200×1500×108 mm
Material weighing plate	steel, powder-coated
Material platform	steel, powder-coated
Material display housing	Plastics
Material load cell(s)	steel
Level indicator	✓
Levelling feet adjustable	✓
Wall mount	✓
Cable length	5 m
Display device cable length	5 m
Allowed cable length display device [Max]	15 m
Platform Construction	Chequer plate, welded
Load cells - number	4

Functions	
PreTare 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	✓
Counting function	✓

Category	
Brand	KERN
Product category	Industrial scale
Product group	Floor scale
Product family	BID

Measuring System	
Construction type of the scale	Multi-range balance
Weighing system	Strain gauge
Number of weighing ranges	2
Weighing capacity [Max]	600 kg; 1500 kg
Readability [d]	0,2 kg; 0,5 kg
Reproducibility	0,2 kg; 0,5 kg
Linearity	± 0,6 kg; 1,5 kg
Minimum weight [Min]	4 kg; 10 kg
Resolution	3.000, 3.000
Tare range	1500 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	1500 kg (M1)
Stabilization time	2 s
Warm-up time	10 min; 10 min
Linearisation in dots	3
Eccentric loading at 1/3 [Max]	1 kg; 2,5 kg
Default unit	kg
	kg
	g
	lb
Units	oz
	PCS
	tj
	HJ
Units (if device is conformity assessed)	kg

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IP protection - display	IP65
IP protection - load cell	IP67
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min
	off
	5 min
	30 min
Auto-off interval(s) in mains power mode	15 min
	3 min
	off
	5 min
Tare function	30 min
	15 min
	manual (multi)
Number of keys for operation	7

Interface	
Interfaces	RS-232 standard
	Ethernet (optional, factory)
	USB (optional, factory)
	WiFi (optional, factory)
	Alibi memory (optional, factory)
	USB-Host/Master (optional, factory)
	Verification plug (optional, factory)
	Bluetooth BLE (v4.0) (optional, factory)

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
	AUS
	UK
	US
Input voltage power supply / power [Max]	CH
	100 V - 240 V AC 50/60 Hz 0.4 A max
Input voltage device / power [Max]	12 V DC, 1000 mA
Battery / accumulator type	Pb
Battery	no battery
Rechargeable battery	6 V; 1.3 Ah
Rechargeable battery operating time - backlight on	26 h
Rechargeable battery operating time - backlight off	43 h

Rechargeable battery charging time	3 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]	0,2 kg; 0,5 kg

Services (optional)	
Article number for adjustment at the location of installation	961-250
Article number for conformity assessment	965-230
Article number for DAkkS calibration	963-130
Article number for certificate of conformity	969-517

Packing & Shipping	
Delivery time	2 d
Dimensions packaging (W×D×H)	1270×1560×240 mm
Shipping method	Freight
Net weight approx.	150 kg
Gross weight approx.	170 kg
Shipping weight	167 kg

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## Pictograms

### STANDARD



### OPTION



### FACTORY

