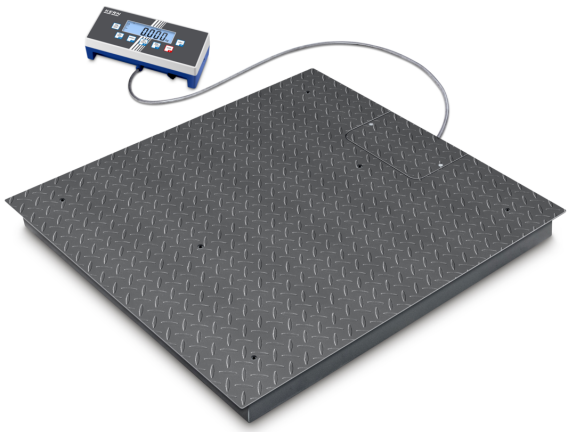
KERN **BID 1T-4DM**

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



Date of creation: 03.10.2026

Category

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

Measuring System

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] (verifiable)	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
Linearisation in dots	3
Eccentric loading at 1/3 [Max]	1 kg; 2,5 kg
Conformity assessment possible	✓
Construction type of the scale	Multi-range balance
Units	kg g lb oz PCS tJ HJ
Units (if device is conformity assessed)	kg
Load cell connection	4-wire
Default unit	kg
Loadcell type	KELI SQB
Warm-up time	10 min; 10 min

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	plastic
Material load cell(s)	steel
Material substructure	steel, powder-coated
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

IP protection - display	IP65
IP protection - load cell	IP67
PreTare function	✓
Percentage determination	✓
Function for averaging under unstable weighing conditions	✓

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Tolerance weighing	✓
Counting function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off 5 min 30 min 15 min
Auto-off interval(s) in mains power mode	3 min off 5 min 30 min 15 min
Tare function	manual (multi)
Recipe/summing level	Sum A
Alibi memory	optional internal memory
Alibi memory - number of memory spaces	250.000
Number of keys for operation	7
Tolerance weighing - type of signal	acoustically visual

Interface

Interfaces	RS-232 standard Ethernet (optional, factory) USB (optional, factory) WiFi (optional, factory) Alibi memory (optional, factory) USB-Host/Master (optional, factory)

Power Supply

Supplied power supply	Power supply unit
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 CH
Input voltage power supply / power [Max]	100 V - 240 V AC 50/60 Hz 0.4 A max
Power supply cable removable	removable
Input voltage device / power [Max]	12 V DC, 1000 mA
Power socket for mains adapter	Inside plus, outside minus
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
Battery/Accu connected	fixed electrical connection, not insulated

Environmental conditions

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

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	3 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

Product information

GTIN/EAN number	4045761214767
Trade number	84238220
Warranty Time	36 mon
REACH classification	no prohibited substances

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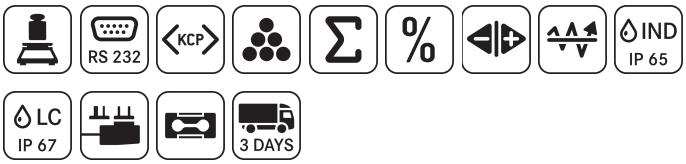
Pictograms

STANDARD



OPTION

FACTORY