KERN **UFA 3T1**

Highly versatile weighing beams (IP67) for large loads to 3000 kg

Date of creation: 02.10.2026

Category

Brand	KERN
Product category	Industrial scale
Product group	Weighing beam
Product family	UFA

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	3000 kg
Readability [d]	1 kg
Reproducibility	1 kg
Linearity	± 2 kg
Resolution	3.000
Tare range	-3000 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	3000 kg (M2)
Stabilization time	2 s
Eccentric loading at 1/3 [Max]	2 kg
Construction type of the scale	Single-range balance
Units	kg g lb oz lb:oz
Load cell connection	6-wire
Maximum creep (15 minutes)	4 kg
Maximum creep (30 minutes)	8 kg
Default unit	kg
Loadcell type	ZEMIC H8C 1,5 ton
Warm-up time	10 min

Display

Display type	LCD
Display backlight	✓
Display segments	5 + 1/2
Display digit height	52 mm
Languages of the user interface	Symbol language

Construction

Dimension display device (W×D×H)	250×160×65 mm
Dimensions weighing surface (W×D)	1200×120 mm
Dimensions weighing surface	1200×120 mm
Dimensions weighing platform (W×D×H)	1270×170×83 mm
Material weighing plate	steel, lacquered
Material platform	steel, lacquered
Material display housing	plastic
Material load cell(s)	alloyed steel
Levelling feet adjustable	✓
Stand inclinable	✓
Wall mount	✓
Display device cable length	5 m
Allowed cable length display device [Max]	20 m
Cable length between weighing beam	5 m
Load cells - number	4

Functions

IP protection - display	no IP protection
IP protection - load cell	IP67
Sum memory function	✓
Function for averaging under unstable weighing conditions	✓
Tolerance weighing	✓
Counting function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	selectable
Auto-off interval(s) in mains power mode	selectable
Tare function	manual (multi)
Underfloor weighing	None
Reference quantity	10, 20, 50, 100, 200
Recipe/summing level	Sum A
Number of keys for operation	7

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Tolerance weighing - type of signal	acoustically visual

Interface

Interfaces	RS-232 standard Bluetooth BTC (v2.0) (optional, factory) analogue (0 - 10 V) (optional, factory) analogue (4 - 20 mA) (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
Power supply – Cable length	180 cm
Input voltage power supply / power [Max]	110 V - 230 V AC
Input voltage device / power [Max]	12 V, 500 mA
Power socket for mains adapter	Hollow plug inside plus, Ø outside 5,5 mm; Ø inside 2,1 mm
Rechargeable battery	6 V, 1.2 Ah
Rechargeable battery operating time - backlight on	8 h
Rechargeable battery operating time - backlight off	35 h
Rechargeable battery charging time	10 h
Rechargeable battery optional	Rchrg. battery optional (factory)

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	961-252
Article number for DAkkS calibration	963-132
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	3 d
Dimensions packaging (W×D×H)	1320×495×345 mm
Shipping method	Freight
Net weight approx.	38 kg
Gross weight approx.	65 kg
Shipping weight	62 kg

Product information

GTIN/EAN number	4045761194571
Trade number	84238220
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD

OPTION

FACTORY