

KERN HFD 1T-4

KERN

Robust, high-resolution crane scale



Category

Brand	KERN
Product category	Industrial scale
Product group	Crane scale
Product family	HFD

Measuring System

Construction type of the scale	Multi-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	300 kg; 600 kg; 1500 kg
Readability [d]	0,1 kg; 0,2 kg; 0,5 kg
Reproducibility	0,1 kg; 0,2 kg; 0,5 kg
Linearity	± 0,2 kg; 0,4 kg; 1 kg
Resolution	3.000, 3.000, 3.000
Tare range	1499,5 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	1500 kg (M1)
Possible calibration points	1000 kg
Stabilization time	2 s
Warm-up time	10 min; 10 min; 10 min
Maximum creep (15 minutes)	2 kg
Maximum creep (30 minutes)	4 kg
Eccentric/Off-centre loading is not possible	✓
Default unit	kg
Units	kg
Internal measuring frequency	10 Hz
Tolerance (% of [Max])	0,2%
Loadcell type	HS-16 3T
Load cell connection	4-wire

Display

Display type	LCD
Display backlight	LED white
Display screen size	115 x40 mm
Display digit height	30 mm
Languages of the user interface	Symbol language

Construction

Dimensions completely mounted (W×D×H)	422×194×129 mm
Dimension display device (W×D×H)	194×160×129 mm
Dimensions housing - width (A)	194 mm
Dimensions housing - depth (B)	129 mm
Dimensions housing - height/length (C)	160 mm
Dimensions - total height/total length (D)	422 mm
Dimensions - inner length (E)	384 mm
Dimensions loop/top - hole diameter (F)	50,8 mm
Dimensions hook/bottom - hole diameter (G)	50,8 mm
Dimensions loop/top - thickness (H)	19 mm
Dimensions hook/bottom - thickness (I)	19 mm
Material housing	cast aluminium
Material suspension	unalloyed forged steel
Material load hook	unalloyed forged steel
Material load cell(s)	high-alloy steel
Load cells - number	1

Functions

Sum memory function	✓
Recipe/summing level	Sum A
Wireless operation	✓
Capacity - Display	✓
Range of radio module	20 m
Standby function	✓
Hold function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off 5 min 15 min
Auto-off interval(s) in mains power mode	selectable
Tare function	manual (single & multi)
Number of keys for operation	5

KERN HFD 1T-4

KERN

Robust, high-resolution crane scale

Power Supply

Supplied power supply	Accu & Power supply
Plug-in power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO UK CH
Plug-in power supply / adapter for countries - optional	EURO AUS UK US CH

Input voltage power supply / power [Max]	110 V - 240 V AC
--	------------------

Input voltage device / power [Max]	12 V, 2500 mA
------------------------------------	---------------

Battery / accumulator type	Li-Ion
----------------------------	--------

Battery	1×12 V, Type 23 A
---------	-------------------

Battery connection	Plug-in terminals
--------------------	-------------------

Battery capacity	5.200 mAh
------------------	-----------

Battery voltage	7,4 V
-----------------	-------

Rechargeable battery	7,4 V, 5200 mAh
----------------------	-----------------

Rechargeable battery operating time - backlight on	30 h
--	------

Rechargeable battery operating time - backlight off	70 h
---	------

Rechargeable battery charging time	12 h
------------------------------------	------

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	✓
---------	---

TÜV-tested	✓
------------	---

Services (optional)

Article number for adjustment at the location of installation	961-250
---	---------

Article number for DAkkS calibration	963-130H
--------------------------------------	----------

Article number for certificate of conformity	969-517
--	---------

Packing & Shipping

Delivery time	1 d
---------------	-----

Dimensions packaging (W×D×H)	740×270×280 mm
------------------------------	----------------

Shipping method	Parcel service
-----------------	----------------

Net weight approx.	9 kg
--------------------	------

Gross weight approx.	10 kg
----------------------	-------

Shipping weight	11,2 kg
-----------------	---------

Pictograms

STANDARD



OPTION

