

KERN HFD 1T-4M

Robust, high-resolution crane scale, verification optional

KERN



Category

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

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	1500 kg
Readability [d]	0,5 kg
Reproducibility	0,5 kg
Linearity	± 0,5 kg
Minimum weight [Min]	10 kg
Resolution	3.000
Tare range	1499,5 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	1500 kg (M1)
Stabilization time	2 s
Warm-up time	10 min
Eccentric/Off-centre loading is not possible	✓
Default unit	kg
Units	kg
Units (if device is conformity assessed)	kg
Internal measuring frequency	10 Hz
Tolerance (% of [Max])	0,2%
Conformity assessment possible	✓
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

Wireless operation	✓
Capacity - Display	✓
Range of radio module	20 m
Standby 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

Power Supply

Supplied power supply	Accu & Power supply
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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 UK 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
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	✓
Conformity assessment possible ex works	✓
Accuracy classe	III
Verification scale interval [e]	0,5 kg
TÜV-tested	✓

Services (optional)

Article number for adjustment at the location of installation	961-250
Article number for conformity assessment	965-130H
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)	720×270×270 mm

Shipping method	Parcel service
Net weight approx.	9 kg
Gross weight approx.	10 kg
Shipping weight	10,5 kg

Pictograms

STANDARD



OPTION



FACTORY

