KERN **HFD 1T-4IP**

Robust, high-resolution crane scale, with protection type IP67

Date of creation: 03.10.2026

Category

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

Measuring System

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)
Eccentric/Off-centre loading is not possible	✓
Stabilization time	2 s
Construction type of the scale	Multi-range balance
Units	kg
Internal measuring frequency	10 Hz
Tolerance (% of [Max])	0,2%
Load cell connection	4-wire
Maximum creep (15 minutes)	2 kg
Maximum creep (30 minutes)	4 kg
Default unit	kg
Loadcell type	HS-16 3T
Warm-up time	10 min; 10 min; 10 min

Display

Display type	LCD
Display backlight	LED white
Display screen size	115×40 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

Hold function	✓
IP protection - complete device	IP67
Wireless operation	✓
Standby function	✓
Sum memory function	✓
Capacity - Display	✓
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

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Tare function	manual (single & multi)
Recipe/summing level	Sum A
Range of radio module	20 m
Number of keys for operation	5

Power Supply

Supplied power supply	Accu & Power supply
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
Power supply cable removable	removable
Input voltage device / power [Max]	12 V, 2500 mA
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 9,5 mm
Battery / accumulator type	Li-Ion
Battery	1×12 V, Type 23 A
Battery connection	Plug-in terminals
Battery capacity	5.200 mAh
Battery – Number of cells	4
Battery – Individual weight	193 g
Battery – Total weight	772 g
Battery capacity (Wh)	38,48 Wh
Battery – Tests passed UN 38.3	✓
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
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 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
Shipping volume weight	10,5 kg

Product information

GTIN/EAN number	4045761229617
Trade number	84238220
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD

OPTION