

# KERN HFD 1T-4IP

# KERN

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



## 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
Resolution	3.000, 3.000, 3.000
Linearity	± 0,2 kg; 0,4 kg; 1 kg
Reproducibility	0,1 kg; 2 kg; 0,5 kg
Tare range	1499,5 kg
Default unit	kg
Units	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
Eccentric/Off-centre loading is not possible	✓
Maximum creep (15 minutes)	2 kg
Maximum creep (30 minutes)	4 kg
Loadcell type	HS-16 3T
Load cell connection	4-wire
Tolerance (% of [Max])	0,2%
Internal measuring frequency	10 Hz

## Approval

CE mark	✓
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## Display

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

## Construction

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 hook/bottom - hole diameter (G)	50,8 mm
Dimensions - inner length (E)	384 mm
Dimensions loop/top - hole diameter (F)	50,8 mm
Dimensions completely mounted (W×D×H)	422×194×129 mm
Material housing	cast aluminium
Material load hook	unalloyed forged steel
Material suspension	unalloyed forged steel
Material load cell(s)	high-alloy steel
Load cells - number	1

## Functions

Number of keys for operation	5
Auto-off interval(s) in mains power mode	selectable
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off 5 min 15 min
Wireless operation	✓
Capacity display	✓
Tare function	manual (single)
Standby function	✓
Range of radio module	20 m
Recipe/summing level	Sum A
Sum memory function	✓
Interfaces	Bluetooth BTC (v4.0) (optional, factory)

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IP protection - complete device IP67

## Power Supply

Input voltage power supply / power [Max]	110 V - 240 V AC
Input voltage device / power [Max]	12 V, 2500 mA
Plug-in power supply type	Power adapter
Supplied power supply	Battery & Power supply
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
Rechargeable battery charging time	12 h
Rechargeable battery operating time - backlight on	30 h
Rechargeable battery operating time - backlight off	70 h
Battery	1×12 V, Type 23 A
Battery / accumulator type	Li-Ion
Battery connection	Plug-in terminals
Battery capacity	5.200 mAh

## Environmental conditions

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

## Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	720×270×270 mm
Net weight	9 kg
Shipping method	Parcel service
Net weight approx.	9 kg
Gross weight approx.	10 kg
Shipping weight	10,5 kg

## 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 (verification)	969-517

## Pictograms

### STANDARD



### OPTION



### FACTORY

