

KERN HFD 3T-3

Robust, high-resolution crane scale

KERN



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]	600 kg; 1500 kg; 3000 kg
Readability [d]	0,2 kg; 0,5 kg; 1 kg
Resolution	3.000, 3.000, 3.000
Linearity	± 0,4 kg; 1 kg; 2 kg
Reproducibility	0,2 kg; 0,5 kg; 1 kg
Tare range	2999 kg
Default unit	kg
Units	kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	3000 kg (M1)
Possible calibration points	3000 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)	4 kg
Maximum creep (30 minutes)	8 kg
Loadcell type	HS-16 5T
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)	457 mm
Dimensions hook/bottom - hole diameter (G)	58 mm
Dimensions - inner length (E)	413 mm
Dimensions loop/top - hole diameter (F)	58 mm
Dimensions completely mounted (W×D×H)	457×194×145 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
	3 min
Auto-off interval(s) in battery mode/rechargeable battery mode	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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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 AUS UK US 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
Battery voltage	7,4 V

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)	725×270×265 mm
Net weight	10 kg
Shipping method	Parcel service
Net weight approx.	10 kg
Gross weight approx.	13 kg
Shipping weight	13 kg

Services (optional)

Article number for adjustment at the location of installation	961-252
Article number for DAkkS calibration	963-132H
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



OPTION



FACTORY

