

KERN HFD 6T-3IP

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]	1500 kg; 3000 kg; 6000 kg
Readability [d]	0,5 kg; 1 kg; 2 kg
Reproducibility	0,5 kg; 1 kg; 2 kg
Linearity	± 1 kg; 2 kg; 4 kg
Resolution	3.000, 3.000, 3.000
Tare range	5998 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	6000 kg (M1)
Possible calibration points	6000 kg
Stabilization time	2 s
Warm-up time	10 min; 10 min; 10 min
Maximum creep (15 minutes)	8 kg
Maximum creep (30 minutes)	16 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 8T
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)	518×194×151 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)	518 mm
Dimensions - inner length (E)	467 mm
Dimensions loop/top - hole diameter (F)	68,3 mm
Dimensions hook/bottom - hole diameter (G)	68,3 mm
Dimensions loop/top - thickness (H)	25,4 mm
Dimensions hook/bottom - thickness (I)	25,4 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	✓
IP protection - complete device	IP67
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)

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Number of keys for operation 5

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
UK
CH

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

Input voltage device / power [Max] 12 V DC, 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 ✓

TÜV-tested ✓

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 969-517

Packing & Shipping

Delivery time 1 d

Dimensions packaging (W×D×H) 720×275×265 mm

Shipping method Parcel service

Net weight approx. 15 kg

Gross weight approx. 17 kg

Shipping weight 17 kg

Pictograms

STANDARD



OPTION

