

# KERN HFD 600K-1

Robust, high-resolution crane scale



## Category

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

## Measuring System

|  |                                |
|--|--------------------------------|
| Weighing system                              | Strain gauge                   |
| Weighing capacity [Max]                      | 150 kg; 300 kg; 600 kg         |
| Readability [d]                              | 0,05 kg; 0,1 kg; 0,2 kg        |
| Reproducibility                              | 0,05 kg; 0,1 kg; 0,2 kg        |
| Linearity                                    | ± 0,1 kg; 0,2 kg; 0,4 kg       |
| Resolution                                   | 3.000, 3.000, 3.000            |
| Tare range                                   | 599,8 kg                       |
| Adjustment options                           | Adjusting with external weight |
| Recommended adjusting weight                 | 600 kg (M1)                    |
| Stabilization time                           | 2 s                            |
| Warm-up time                                 | 10 min; 10 min; 10 min         |
| Load cell connection                         | 4-wire                         |
| Eccentric/Off-centre loading is not possible | ✓                              |
| Construction type of the scale               | Multi-range balance            |
| Units  | kg                             |
| Internal measuring frequency                 | 10 Hz                          |
| Tolerance (% of [Max])                       | 0,2%                           |
| Maximum creep (15 minutes)                   | 800 g                          |
| Maximum creep (30 minutes)                   | 1,6 kg                         |
| Default unit                                 | kg                             |
| Loadcell type                                | HS-16 1T                       |

## 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

|  |                                 |
|--|---------------------------------|
| Sum memory function  | ✓                               |
| Recipe/summing level   | Sum A                           |
| Wireless operation   | ✓                               |
| Capacity - Display   | ✓                               |
| Range of radio module  | 20 m                            |
| Standby function   | ✓                               |
| Hold function  | ✓                               |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 3 min<br>off<br>5 min<br>15 min |
| Auto-off interval(s) in mains power mode                       | selectable                      |
| Tare function  | manual (single & multi)         |
| Number of keys for operation                                   | 5                               |

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## 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<br>UK<br>CH   |
| Plug-in power supply / adapter for countries - optional                   | EURO<br>UK<br>US<br>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 voltage   | 7,4 V  |
| Battery - Number of cells   | 8  |
| Battery - Individual weight   | 193 g  |
| Battery - Total weight  | 1544 g   |
| Battery capacity (Wh)   | 38,48 Wh   |
| Battery - Lithium content   | 36,6 mg  |
| 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  |
| 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 | 961-250  |
| 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) | 725×278×270 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 9 kg           |
| Gross weight approx.         | 11 kg          |
| Shipping weight              | 11 kg          |

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761202788            |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD



### OPTION

