

# KERN HFD 10T-3

Robust, high-resolution crane scale

**KERN**



Date of creation: 21.06.2026

## Category

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

## Measuring System

|                                              |                                |
|----------------------------------------------|--------------------------------|
| Weighing system                              | Strain gauge                   |
| Weighing capacity [Max]                      | 3000 kg; 6000 kg;<br>12000 kg  |
| Readability [d]                              | 1 kg; 2 kg; 5 kg               |
| Reproducibility                              | 1 kg; 2 kg; 5 kg               |
| Linearity                                    | ± 2 kg; 4 kg; 10 kg            |
| Resolution                                   | 3.000, 3.000, 2.400            |
| Tare range                                   | 11995 kg                       |
| Adjustment options                           | Adjusting with external weight |
| Recommended adjusting weight                 | 12000 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)                   | 10 kg                          |
| Maximum creep (30 minutes)                   | 20 kg                          |
| Default unit                                 | kg                             |
| Loadcell type                                | HS-16 15T                      |

## 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)      | 584×194×180 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) | 584 mm                 |
| Dimensions - inner length (E)              | 521 mm                 |
| Dimensions loop/top - hole diameter (F)    | 82,5 mm                |
| Dimensions hook/bottom - hole diameter (G) | 82,5 mm                |
| Dimensions loop/top - thickness (H)        | 31,75 mm               |
| Dimensions hook/bottom - thickness (I)     | 31,75 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>AUS<br>UK<br>US<br>CH                                            |
| Input voltage power supply / power [Max]                                  | 110 V - 240 V AC                                                         |
| Input voltage device / power [Max]                                        | 12 V DC, 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 - Construction                                                    | Inseparable connection of cells (pack)                                   |
| Battery capacity (Wh)                                                     | 38,48 Wh                                                                 |
| Battery - Lithium content                                                 | 312 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 | 961-252  |
| Article number for DAkkS calibration                          | 963-133H |
| Article number for certificate of conformity                  | 969-517  |

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 725×280×270 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 22 kg          |
| Gross weight approx.         | 24 kg          |
| Shipping weight              | 22,7 kg        |
| Shipping volume weight       | 11 kg          |

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761202740            |
| Trade number         | 84238920                 |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD



### OPTION

