

# KERN HFA 1T-4

Compact crane scale with integrated display can also be used for tensile force measurement



## Approval

|         |   |
|---------|---|
| CE mark | ✓ |
|---------|---|

## Display

|                                       |       |
|---------------------------------------|-------|
| Display type                          | LCD   |
| Display backlight                     | ✓     |
| Display digit height - smallest digit | 2 mm  |
| Display digit height                  | 23 mm |

## Construction

|  |                         |
|--|-------------------------|
| Dimension housing (W×D×H)                  | 90×55×255 mm            |
| Dimensions housing - width (A)             | 90 mm                   |
| Dimensions housing - depth (B)             | 62 mm                   |
| Dimensions housing - height/length (C)     | 100 mm                  |
| Dimensions - total height/total length (D) | 255 mm                  |
| Dimensions loop/top - thickness (H)        | 30 mm                   |
| Dimensions hook/bottom - hole diameter (G) | 27 mm                   |
| Dimensions - inner length (E)              | 165 mm                  |
| Dimensions loop/top - hole diameter (F)    | 27 mm                   |
| Dimensions hook/bottom - thickness (I)     | 30 mm                   |
| Material housing                           | aluminium               |
| Material load hook                         | stainless steel bushing |
| Material load cell(s)                      | aluminium               |
| Load cells - number                        | 1                       |

## Functions

|  |                                    |
|--|------------------------------------|
| Number of keys for operation                                   | 5                                  |
| Auto-off interval(s) in mains power mode                       | 5 min<br>30 min<br>15 min          |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 3 min<br>5 min<br>30 min<br>15 min |
| Tare function  | manual (multi)                     |
| Hold function  | ✓                                  |
| Tolerance weighing   | ✓                                  |
| Tolerance weighing - type of signal                            | visual                             |
| Peak function  | ✓                                  |
| Underfloor weighing  | None                               |

## Category

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

## Measuring System

|  |                                |
|--|--------------------------------|
| Construction type of the scale               | Single-range balance           |
| Weighing system                              | Strain gauge                   |
| Weighing capacity [Max]                      | 1000 kg                        |
| Readability [d]                              | 0,5 kg                         |
| Resolution                                   | 2.000                          |
| Linearity                                    | ± 1 kg                         |
| Reproducibility                              | 0,5 kg                         |
| Default unit                                 | kg                             |
| Units  | kg<br>lb<br>N                  |
| Adjustment options                           | Adjusting with external weight |
| Recommended adjusting weight                 | 1000 kg (M3)                   |
| Possible calibration points                  | 1000 kg                        |
| Stabilization time                           | 2 s                            |
| Warm-up time                                 | 10 min                         |
| Eccentric/Off-centre loading is not possible | ✓                              |
| Maximum creep (15 minutes)                   | 1 kg                           |
| Maximum creep (30 minutes)                   | 2 kg                           |
| Loadcell type                                | aluminium silicone-coated      |
| Tolerance (% of [Max])                       | 0,2%                           |
| Internal measuring frequency                 | 60 Hz                          |

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## Power Supply

|   |                           |
|---|---------------------------|
| Input voltage power supply / power [Max]                                  | 100 V - 240 V, 50 / 60 Hz |
| Input voltage device / power [Max]  | 9 V, 800 mA               |
| Plug-in power supply type   | Power adapter             |
| Supplied power supply   | Accu & Power supply       |
| Plug-in power supply / adapter for countries - included with the delivery | EURO<br>UK<br>US          |
| Plug-in power supply / adapter for countries - optional                   | EURO<br>UK<br>US<br>CH    |
| Rechargeable battery charging time  | 12 h                      |
| Rechargeable battery operating time - backlight on                        | 15 h                      |
| Rechargeable battery operating time - backlight off                       | 30 h                      |
| Battery   | 3×1.5 V AA                |
| Battery / accumulator type  | NiMH                      |
| Battery connection  | Pad + Spring              |
| Battery capacity  | 1.800 mAh                 |
| Battery voltage   | 3,6 V                     |
| Battery operating time  | 30 h                      |

## Environmental conditions

|                               |        |
|-------------------------------|--------|
| Humidity of environment [Max] | 80 %   |
| Ambient temperature [Min]     | 5 °C   |
| Ambient temperature [Max]     | 35 °C  |
| Storage temperature [Min]     | -20 °C |
| Storage temperature [Max]     | 60 °C  |

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Readability force [d] (N)    | 1 d            |
| Dimensions packaging (W×D×H) | 400×330×130 mm |
| Net weight                   | 1,8 kg         |
| Shipping method              | Parcel service |
| Net weight approx.           | 1,8 kg         |
| Gross weight approx.         | 2,8 kg         |
| Shipping weight              | 3,4 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

