

# KERN HFA 5T-3



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           |
| Languages of the user interface       | Symbol language |

## Construction

|  |                  |
|--|------------------|
| Dimension housing (W×D×H)                  | 90×61×255 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) | 30 mm            |
| Dimensions - inner length (E)              | 165 mm           |
| Dimensions loop/top - hole diameter (F)    | 30 mm            |
| Dimensions hook/bottom - thickness (I)     | 30 mm            |
| Material housing                           | steel            |
| Material load hook                         | steel            |
| Material load cell(s)                      | Stainless steels |

## 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]                      | 5000 kg                         |
| Readability [d]                              | 2 kg                            |
| Resolution                                   | 2.500                           |
| Linearity                                    | ± 4 kg                          |
| Reproducibility                              | 2 kg                            |
| Default unit                                 | kg                              |
| Units  | kg<br>lb<br>N                   |
| Adjustment options                           | Adjusting with external weight  |
| Recommended adjusting weight                 | 3000 kg (M3)                    |
| Possible calibration points                  | 3000 kg                         |
| Stabilization time                           | 2 s                             |
| Warm-up time                                 | 10 min                          |
| Eccentric/Off-centre loading is not possible | ✓                               |
| Maximum creep (15 minutes)                   | 4 kg                            |
| Maximum creep (30 minutes)                   | 8 kg                            |
| Loadcell type                                | stainless steel 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   | Battery & Power supply    |
| Plug-in power supply / adapter for countries - included with the delivery | EURO<br>UK<br>US          |
|   | EURO                      |
| Plug-in power supply / adapter for countries - optional                   | 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) | 395×325×125 mm |
| Net weight                   | 3,95 kg        |
| Shipping method              | Parcel service |
| Net weight approx.           | 4,0 kg         |
| Gross weight approx.         | 4,6 kg         |
| Shipping weight              | 4,55 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

