

# KERN DS 60K0.2

Precision industrial scale with laboratory accuracy, ideal for the diverse possibilities of Industry 4.0 applications



|                            |     |
|----------------------------|-----|
| Maximum creep (30 minutes) | 4 g |
|----------------------------|-----|

## Approval

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

## Display

|                                 |                            |
|---------------------------------|----------------------------|
| Display type                    | LCD                        |
| Display screen size             | 89×30 mm                   |
| Display backlight               | ✓                          |
| Display digit height            | 21 mm                      |
| Languages of the user interface | English<br>Symbol language |

## Construction

|                                      |                  |
|--------------------------------------|------------------|
| Dimension display device (W×D×H)     | 225×115×60 mm    |
| Dimension housing (W×D×H)            | 225×115×60 mm    |
| Dimensions weighing platform (W×D×H) | 500×400×125 mm   |
| Material display housing             | Plastics         |
| Material housing                     | plastic          |
| Material weighing plate              | stainless steel  |
| Material platform                    | metal, lacquered |
| Dimensions weighing surface (W×D)    | 500×400 mm       |
| Display device cable length          | 2,5 m            |
| Transport safety lock - bolt torque  | 0,1 Nm           |
| Levelling feet adjustable            | ✓                |
| Wall mount                           | ✓                |
| Stand height                         | 450 mm           |

## Functions

|  |   |
|--|---|
| Number of keys for operation                                   | 5   |
| Auto-off interval(s) in mains power mode                       | off   |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 5 min<br>2 min<br>1 min<br>30 min<br>60 min<br>30 sec |
| PreTare function   | ✓   |
| Tare function  | manual (multi)  |
| Percentage determination                                       | ✓   |
| Counting function  | ✓   |
| Tolerance weighing   | ✓   |
| Tolerance weighing - type of signal                            | acoustically<br>visual                                |

## Category

|                  |                  |
|------------------|------------------|
| Brand            | KERN             |
| Product category | Industrial scale |
| Product group    | Platform scale   |
| Product family   | DS               |

## Measuring System

|                                |                      |
|--------------------------------|----------------------|
| Construction type of the scale | Single-range balance |
| Weighing system                | Strain gauge         |
| Weighing capacity [Max]        | 60 kg                |
| Readability [d]                | 0,0002 kg            |
| Resolution                     | 300.000              |
| Linearity                      | ± 0,001 kg           |
| Reproducibility                | 0,0004 kg            |
| Default unit                   | kg                   |

|       |   |
|-------|---|
| Units | kg<br>g<br>dwt<br>tl (Tw)<br>tl (HK)<br>ozt<br>tl (Singap, Malays)<br>ct<br>mo<br>lb<br>oz<br>ffa |
|-------|---|

|                                |                                |
|--------------------------------|--------------------------------|
| Adjustment options             | Adjusting with external weight |
| Recommended adjusting weight   | 60 kg (F1)                     |
| Possible calibration points    | 20 kg; 30 kg; 50 kg; 60 kg     |
| Stabilization time             | 3 s                            |
| Warm-up time                   | 120 min                        |
| Eccentric loading at 1/3 [Max] | 0,001 kg                       |
| Maximum creep (15 minutes)     | 2 g                            |

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|   |  |
|---|--|
| Function for averaging under unstable weighing conditions | ✓  |
| Recipe/summing level                                      | Rez A (Net total)  |
| Underfloor weighing                                       | None   |
| Interfaces  | RS-232 (optional)<br>Ethernet (optional)<br>Bluetooth BLE (v4.0) (optional)<br>USB-Device (optional)<br>KUP<br>WiFi (optional) |

| Counting  |   |
|---|---|
| Smallest piece weight when piece counting - laboratory conditions | 200 mg                                  |
| Smallest piece weight when piece counting - normal conditions     | 2 g                                     |
| Counting reference weight can be entered                          | ✓                                       |
| Reference quantity  | 5, 10, 20, 50, n (any number of pieces) |
| Counting resolution (laboratory conditions)                       | 300.000                                 |

| Power Supply  |                                  |
|---|----------------------------------|
| Input voltage power supply / power [Max]                                  | 100 V - 240 V AC, 50 / 60 Hz     |
| Input voltage device / power [Max]  | 5,9V, 1A                         |
| Plug-in power supply type   | Power adapter                    |
| Supplied power supply   | Power supply unit                |
| Plug-in power supply / adapter for countries - included with the delivery | EURO<br>UK<br>US<br>CH           |
| Plug-in power supply / adapter for countries - optional                   | EURO<br>UK<br>US<br>CH           |
| Rechargeable battery optional   | Rchrg. battery optional - intern |
| Rechargeable battery charging time  | 8 h                              |
| Rechargeable battery operating time - backlight on                        | 24 h                             |
| Rechargeable battery operating time - backlight off                       | 48 h                             |

| Environmental conditions      |        |
|-------------------------------|--------|
| Humidity of environment [Max] | 80 %   |
| Ambient temperature [Min]     | -10 °C |

|                           |       |
|---------------------------|-------|
| Ambient temperature [Max] | 40 °C |
|---------------------------|-------|

| Packing & Shipping           |                |
|------------------------------|----------------|
| Readability force [d] (N)    | 1 d            |
| Dimensions packaging (W×D×H) | 600×510×230 mm |
| Net weight                   | 19 kg          |
| Shipping method              | Parcel service |
| Net weight approx.           | 19 kg          |
| Gross weight approx.         | 22 kg          |
| Shipping weight              | 20,5 kg        |

| Services (optional)   |         |
|---|---------|
| Article number for DAkkS calibration                        | 963-129 |
| Article number for certificate of conformity (verification) | 969-517 |

## Pictograms

### STANDARD



### OPTION

