

# KERN IOC 60K-3

High-resolution allround platform scale with a wide range of communication options



## Approval

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

## Display

|                                       |                 |
|---------------------------------------|-----------------|
| Display type                          | LCD             |
| Display type                          | LCD             |
| Display screen size                   | 110×35 mm       |
| Display backlight                     | ✓               |
| Display digit height - smallest digit | 25 mm           |
| Display digit height                  | 25 mm           |
| Languages of the user interface       | Symbol language |

## Construction

|                                      |                 |
|--------------------------------------|-----------------|
| Dimension display device (W×D×H)     | 268×115×80 mm   |
| Dimensions weighing platform (W×D×H) | 400×300×110 mm  |
| Material display housing             | Plastics        |
| Material weighing plate              | stainless steel |
| Material platform                    | mild steel      |
| Dimensions weighing surface (W×D)    | 400×300 mm      |
| Display device cable length          | 3 m             |
| Material load cell(s)                | aluminium       |
| Load cells - number                  | 1               |
| Levelling feet adjustable            | ✓               |
| Wall mount                           | ✓               |
| Stand inclinable                     | ✓               |

## Functions

|                                                                |                                           |
|----------------------------------------------------------------|-------------------------------------------|
| Number of keys for operation                                   | 7                                         |
| Auto-off interval(s) in mains power mode                       | 3 min<br>off<br>5 min<br>30 min<br>15 min |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 3 min<br>off<br>5 min<br>30 min<br>15 min |
| 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   | IOC              |

## Measuring System

|                                |                      |
|--------------------------------|----------------------|
| Construction type of the scale | Multi-range balance  |
| Weighing system                | Strain gauge         |
| Weighing capacity [Max]        | 30 kg; 60 kg         |
| Readability [d]                | 0,001 kg; 0,002 kg   |
| Resolution                     | 30.000, 30.000       |
| Linearity                      | ± 0,003 kg; 0,006 kg |
| Linearisation in dots          | 3                    |
| Reproducibility                | 0,001 kg; 0,002 kg   |
| Default unit                   | kg                   |

|       |     |
|-------|-----|
| Units | kg  |
|       | g   |
|       | lb  |
|       | oz  |
|       | PCS |
|       | tj  |
|       | HJ  |

|                                |                                |
|--------------------------------|--------------------------------|
| Minimum weight [Min]           | 0,2 kg; 0,4 kg                 |
| Adjustment options             | Adjusting with external weight |
| Recommended adjusting weight   | 60 kg (M1)                     |
| Stabilization time             | 2 s                            |
| Warm-up time                   | 120 min; 120 min               |
| Eccentric loading at 1/3 [Max] | 0,005 kg; 0,01 kg              |
| Maximum creep (15 minutes)     | 8 g                            |
| Maximum creep (30 minutes)     | 16 g                           |
| Loadcell type                  | aluminium IP65 silicone-coated |
| Load cell connection           | 4-wire                         |

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|                                                           |                                          |      |
|-----------------------------------------------------------|------------------------------------------|------|
| Function for averaging under unstable weighing conditions | ✓                                        |      |
| Recipe/summing level                                      | Sum A                                    |      |
| Alibi memory                                              | optional internal memory                 |      |
| Alibi memory - number of memory spaces                    | 250.000                                  |      |
| Interfaces                                                | RS-232 standard                          |      |
|                                                           | Ethernet (optional, factory)             |      |
|                                                           | USB (optional, factory)                  |      |
|                                                           | WiFi (optional, factory)                 |      |
|                                                           | Alibi memory (optional, factory)         |      |
|                                                           | USB-Host/Master (optional, factory)      |      |
|                                                           | Verification plug (optional, factory)    |      |
|                                                           | Bluetooth BLE (v4.0) (optional, factory) |      |
|                                                           | IP protection - complete device          | IP65 |
|                                                           | IP protection - display                  | IP65 |
| IP protection - load cell                                 | IP65                                     |      |
| IP protection - platform                                  | IP65                                     |      |

| Counting                                                          |                      |
|-------------------------------------------------------------------|----------------------|
| Smallest piece weight when piece counting - laboratory conditions | 2 g                  |
| Smallest piece weight when piece counting - normal conditions     | 20 g                 |
| Reference quantity                                                | 10, 20, 50, 100, 200 |
| Counting resolution (laboratory conditions)                       | 30.000               |

| Power Supply                                                              |                                     |
|---------------------------------------------------------------------------|-------------------------------------|
| Input voltage power supply / power [Max]                                  | 100 V - 240 V AC 50/60 Hz 0.4 A max |
| Input voltage device / power [Max]                                        | 12 V DC, 1000 mA                    |
| 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                                |
|                                                                           | UK                                  |
|                                                                           | US                                  |
|                                                                           | CH                                  |
| Plug-in power supply / adapter for countries - optional                   | EURO                                |
|                                                                           | AUS                                 |
|                                                                           | UK                                  |
|                                                                           | US                                  |
| Rechargeable battery optional                                             | Rchrg. battery optional             |
| Rechargeable battery charging time                                        | 3 h                                 |

|                                                     |            |
|-----------------------------------------------------|------------|
| Rechargeable battery operating time - backlight on  | 26 h       |
| Rechargeable battery operating time - backlight off | 43 h       |
| Battery                                             | no battery |
| Battery / accumulator type                          | Pb         |
| Battery operating time                              | 100 h      |

| Environmental conditions      |        |
|-------------------------------|--------|
| Humidity of environment [Min] | 0 %    |
| 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) | 810×350×180 mm |
| Net weight                   | 7,6 kg         |
| Shipping method              | Parcel service |
| Net weight approx.           | 8 kg           |
| Gross weight approx.         | 9 kg           |
| Shipping weight              | 10,2 kg        |

| Services (optional)                                           |         |
|---------------------------------------------------------------|---------|
| Article number for adjustment at the location of installation | 961-249 |
| Article number for DAkKS calibration                          | 963-129 |
| Article number for certificate of conformity (verification)   | 969-517 |

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## Pictograms

### STANDARD



### OPTION



### FACTORY

