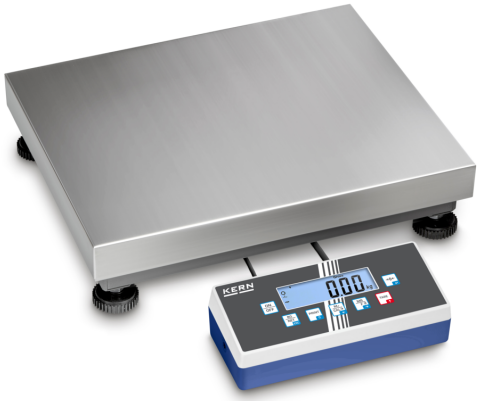
# KERN **IOC 60K-3**

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



**Date of creation: 03.10.2026**

## Category

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

## Measuring System

| | |
|---|---|
| Weighing system | Strain gauge |
| Weighing capacity [Max] | 30 kg; 60 kg |
| Readability [d] | 0,001 kg; 0,002 kg |
| Reproducibility | 0,001 kg; 0,002 kg |
| Linearity | ± 0,003 kg; 0,006 kg |
| Resolution | 30.000, 30.000 |
| Adjustment options | Adjusting with external weight |
| Recommended adjusting weight | 60 kg (M1) |
| Stabilization time | 2 s |
| Linearisation in dots | 3 |
| Eccentric loading at 1/3 [Max] | 0,005 kg; 0,01 kg |
| Construction type of the scale | Multi-range balance |
| Units | kg<br>g<br>lb<br>oz<br>PCS |
| Load cell connection | 4-wire |
| Maximum creep (15 minutes) | 8 g |
| Maximum creep (30 minutes) | 16 g |
| Default unit | kg |
| Loadcell type | aluminium IP65 silicone-coated |
| Warm-up time | 120 min; 120 min |

## Display

| | |
|---|---|
| Display type | LCD |
| Display type | LCD |
| Display backlight | ✓ |
| Display screen size | 110×35 mm |
| Display segments | 6 |
| 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 surface (W×D) | 400×300 mm |
| Dimensions weighing surface | 400×300 mm |
| Dimensions weighing platform (W×D×H) | 400×300×110 mm |
| Material weighing plate | stainless steel |
| Material platform | mild steel |
| Material display housing | plastic |
| Material load cell(s) | aluminium |
| Level indicator | ✓ |
| Levelling feet adjustable | ✓ |
| Stand inclinable | ✓ |
| Wall mount | ✓ |
| Display device cable length | 3 m |
| Platform Construction | Single-Cell |
| Load cells - number | 1 |

## Functions

| | |
|---|---|
| IP protection - complete device | IP65 |
| IP protection - display | IP65 |
| IP protection - platform | IP65 |
| IP protection - load cell | IP65 |
| PreTare function | ✓ |
| Percentage determination | ✓ |
| Function for averaging under unstable weighing conditions | ✓ |
| Tolerance weighing | ✓ |
| Counting function | ✓ |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 3 min<br>off<br>5 min<br>30 min<br>15 min |

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| | |
|---|---|
| Auto-off interval(s) in mains power mode | 3 min<br>off<br>5 min<br>30 min<br>15 min |
| Tare function | manual (multi) |
| Counting resolution (laboratory conditions) | 30.000 |
| Smallest piece weight when piece counting - laboratory conditions | 2 g |
| Reference quantity | 10, 20, 50, 100, 200 |
| Recipe/summing level | Sum A |
| Alibi memory | optional internal memory |
| Alibi memory - number of memory spaces | 250.000 |
| Number of keys for operation | 7 |
| Smallest piece weight when piece counting - normal conditions | 20 g |
| Tolerance weighing - type of signal | acoustically<br>visual |

## Interface

| | |
|---|---|
| Interfaces | RS-232 standard<br>Ethernet (optional, factory)<br>USB (optional, factory)<br>WiFi (optional, factory)<br>Alibi memory (optional, factory)<br>USB-Host/Master (optional, factory) |

## Power Supply

| | |
|---|---|
| Supplied power supply | Power supply unit |
| Power supply type | Power adapter |
| 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 |
| Input voltage power supply / power [Max] | 100 V - 240 V AC 50/60 Hz 0.4 A max |
| Power supply cable removable | removable |
| Input voltage device / power [Max] | 12 V DC, 1000 mA |
| Power socket for mains adapter | Inside plus, outside minus |
| Battery / accumulator type | Pb |
| Battery | no battery |
| Battery operating time | 100 h |
| Rechargeable battery operating time - backlight on | 26 h |
| Rechargeable battery operating time - backlight off | 43 h |
| Rechargeable battery charging time | 3 h |
| Rechargeable battery optional | Rchrg. battery optional |
| Battery/Accu connected | fixed electrical connection, not insulated |

## Environmental conditions

| | |
|---|---|
| Ambient temperature [Min] | -10 °C |
| Ambient temperature [Max] | 40 °C |
| Humity of environment [Min] | 0 % |
| Humity of environment [Max] | 80 % |

## 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 | 969-517 |

## Packing & Shipping

| | |
|---|---|
| Delivery time | 1 d |
| Dimensions packaging (W×D×H) | 810×350×180 mm |
| Shipping method | Parcel service |
| Net weight approx. | 8 kg |
| Gross weight approx. | 9 kg |
| Shipping weight | 10,2 kg |
| Shipping volume weight | 10,2 kg |

## Product information

| | |
|---|---|
| GTIN/EAN number | 4045761252806 |
| Trade number | 84238220 |
| Warranty Time | 24 mon |
| REACH classification | no prohibited substances |

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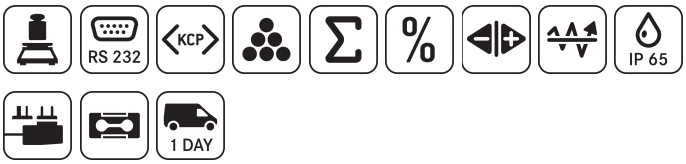
## Pictograms

### STANDARD




### OPTION

### FACTORY