

KERN IFC 300K50DM

Robust industrial scales with up to three interfaces, with optional verification



Display

| | |
|---------------------------------|----------------------------|
| Display type | LCD |
| Display type | LCD with backlight |
| Display backlight | ✓ |
| Display screen size | 160×60 mm |
| Display segments | 6 |
| Display digit height | 48 mm |
| Languages of the user interface | English Symbol language |

Construction

| | |
|---|----------------------|
| Dimension display device (W×D×H) | 220×150×66,5 mm |
| Dimensions weighing surface (W×D) | 650×500 mm |
| Dimensions weighing surface | 650×500 mm |
| Dimensions weighing platform (W×D×H) | 650×500×139 mm |
| Material weighing plate | stainless steel |
| Material platform | steel, powder-coated |
| Material display housing | plastic |
| Material load cell(s) | aluminium |
| Level indicator | ✓ |
| Levelling feet adjustable | ✓ |
| Stand rotatable | no |
| Stand inclinable | no |
| Wall mount | ✓ |
| Display device cable length | 3 m |
| Allowed cable length display device [Max] | 20 m |
| Platform Construction | Single-Cell |
| Load cells - number | 1 |

Functions

| | |
|---|--------------------------|
| PreTare function | ✓ |
| Sum memory function | ✓ |
| Recipe/summing level | Sum A |
| Percentage determination | ✓ |
| Tolerance weighing | ✓ |
| Tolerance weighing - type of signal | acoustically visual |
| Alibi memory | optional internal memory |
| Alibi memory - number of memory spaces | 250.000 |
| Function for averaging under unstable weighing conditions | ✓ |
| Counting function | ✓ |
| Counting resolution (laboratory conditions) | 6.000 |

Category

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

Measuring System

| | |
|--|--------------------------------|
| Weighing system | Strain gauge |
| Number of weighing ranges | 2 |
| Weighing capacity [Max] | 150 kg; 300 kg |
| Readability [d] | 0,05 kg; 0,1 kg |
| Reproducibility | 0,05 kg; 0,1 kg |
| Linearity | ± 0,05 kg; 0,1 kg |
| Minimum weight [Min] (verifiable) | 1 kg; 2 kg |
| Resolution | 3.000, 3.000 |
| Adjustment options | Adjusting with external weight |
| Recommended adjusting weight | 300 kg (M1) |
| Stabilization time | 3 s |
| Eccentric loading at 1/3 [Max] | 0,05 kg; 0,1 kg |
| Conformity assessment possible | ✓ |
| Construction type of the scale | Multi-range balance |
| Units | kg g ffa PCS % |
| Units (if device is conformity assessed) | kg g |
| Load cell connection | 6-wire |
| Default unit | kg |
| Loadcell type | aluminium IP65 silicone-coated |

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| | |
|---|---|
| Counting reference weight can be entered | ✓ |
| Smallest piece weight when piece counting - laboratory conditions | 50 g |
| Smallest piece weight when piece counting - normal conditions | 500 g |
| Reference quantity | 5, 10, 20, 50, n (any number of pieces) |
| Hold function | ✓ |
| IP protection - complete device | - |
| IP protection - display | no IP protection |
| IP protection - platform | no IP protection |
| IP protection - load cell | IP65 |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 5 min |
| | 2 min |
| | 1 min |
| | 30 min |
| | 60 min |
| Auto-off interval(s) in mains power mode | 30 sec |
| Auto-off interval(s) in mains power mode | off |
| Tare function | manual (multi) |
| Number of keys for operation | 7 |

Interface

| | |
|---------------------------|----------------------------------|
| Interfaces | RS-232 (optional) |
| | Ethernet (optional) |
| | Alibi memory (optional, factory) |
| | analogue (0 - 10 V) (optional) |
| | analogue (4 - 20 mA) (optional) |
| | Bluetooth BLE (v4.0) (optional) |
| | USB-Device (optional) |
| KUP | |
| WiFi (optional) | |
| compatible with EasyTouch | ✓ |

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 |
| | UK |
| | US |
| | CH |
| Plug-in power supply / adapter for countries - optional | EURO |
| | UK |
| | US |
| | CH |

| | |
|---|---|
| Input voltage power supply / power [Max] | 100 V - 240 V, 50 / 60 Hz |
| Power supply cable removable | removable |
| Input voltage device / power [Max] | 5,9V, 1A |
| Power socket for mains adapter | Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 13 mm |
| Battery / accumulator type | Li-Ion |
| Battery | 3 V CR2032 |
| Battery capacity | 210 mAh |
| Battery voltage | 3 V |
| Battery - Number of cells | 1 |
| Battery - Individual weight | 3,2 g |
| Battery - Total weight | 3,2 g |
| Battery - Construction | Individual cells |
| Battery capacity (Wh) | 0,66 Wh |
| Battery - Lithium content | 64 mg |
| Battery - Tests passed UN 38.3 | ✓ |
| Rechargeable battery | 3,7 V, 3200mAh |
| Rechargeable battery operating time - backlight on | 20 h |
| Rechargeable battery operating time - backlight off | 48 h |
| Rechargeable battery charging time | 8 h |
| Rechargeable battery optional | Rchrg. battery optional - intern |

Environmental conditions

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

Approval

| | |
|---|-----------------|
| CE mark | ✓ |
| Conformity assessment possible ex works | ✓ |
| Accuracy classe | III |
| Verification scale interval [e] | 0,05 kg; 0,1 kg |

Services (optional)

| | |
|---|---------|
| Article number for adjustment at the location of installation | 961-249 |
| Article number for conformity assessment | 965-229 |
| Article number for DAkkS calibration | 963-129 |

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Article number for certificate of conformity 969-517

Packing & Shipping

| | |
|------------------------------|-----------------|
| Delivery time | 1 d |
| Dimensions packaging (W×D×H) | 1050×670×250 mm |
| Shipping method | Parcel service |
| Net weight approx. | 18 kg |
| Gross weight approx. | 22 kg |
| Shipping weight | 35,2 kg |
| Shipping volume weight | 35,2 kg |

Product information

| | |
|----------------------|--------------------------|
| GTIN/EAN number | 4045761480704 |
| Trade number | 84238220 |
| REACH classification | no prohibited substances |

Pictograms

STANDARD



OPTION



FACTORY

