

KERN FCB 8K0.1

KERN

The new FCB: Checkweighing and portioning scale with up to three interfaces



| | |
|----------------------------|--------------------------------|
| Maximum creep (15 minutes) | 1 g |
| Maximum creep (30 minutes) | 2 g |
| Loadcell type | aluminium IP65 silicone-coated |

Approval

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

Display

| | |
|---------------------------------|----------------------------|
| Display type | LCD |
| Display screen size | 120×38 mm |
| Display backlight | ✓ |
| Display digit height | 25 mm |
| Languages of the user interface | English Symbol language |

Construction

| | |
|---------------------------------------|-----------------|
| Dimension housing (W×D×H) | 322×267×91 mm |
| Dimensions completely mounted (W×D×H) | 325×270×105 mm |
| Material display housing | Plastics |
| Material housing | plastic |
| Material weighing plate | stainless steel |
| Dimensions weighing surface (W×D) | 252×225 mm |
| Transport safety lock - bolt torque | 0,4 Nm |
| Material load cell(s) | aluminium |
| Levelling feet adjustable | ✓ |

Functions

| | |
|--|--|
| Number of keys for operation | 6 |
| | 2 min |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 1 min 30 min 60 min 30 sec |
| Tare function | manual (multi) |
| Percentage determination | ✓ |
| Counting function | ✓ |
| Tolerance weighing | ✓ |
| Tolerance weighing - type of signal | acoustically visual |
| Function for averaging under unstable weighing conditions | ✓ |
| Recipe/summing level | Sum A |
| Underfloor weighing | None |
| Interfaces | RS-232 (optional) Ethernet (optional) Bluetooth BLE (v4.0) |

Category

| | |
|------------------|------------------|
| Brand | KERN |
| Product category | Industrial scale |
| Product group | Bench scale |
| Product family | FCB |

Measuring System

| | |
|--------------------------------|----------------------|
| Construction type of the scale | Single-range balance |
| Weighing system | Strain gauge |
| Weighing capacity [Max] | 8000 g |
| Readability [d] | 0,1 g |
| Resolution | 80.000 |
| Linearity | ± 0,3 g |
| Reproducibility | 0,1 g |
| Default unit | g |

| | |
|-------|-----|
| Units | kg |
| | g |
| | gn |
| | dwt |
| | ozt |
| | ct |
| | lb |
| | oz |
| | ffa |
| | PCS |
| | % |

| | |
|--------------------------------|---------------------------------|
| Adjustment options | Adjusting with external weight |
| Recommended adjusting weight | 5 kg (F1); 2 kg (F1); 1 kg (F1) |
| Possible calibration points | 2 kg; 5 kg; 8 kg |
| Stabilization time | 2 s |
| Warm-up time | 120 min |
| Eccentric loading at 1/3 [Max] | 5 g |

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| | |
|---------------------------------|---|
| | (optional) USB-Device (optional) KUP WiFi (optional) |
| IP protection - complete device | - |
| IP protection - display | no IP protection |
| IP protection - load cell | IP65 |

Counting

| | |
|---|----------------------------|
| Smallest piece weight when piece counting - laboratory conditions | 100 mg |
| Smallest piece weight when piece counting - normal conditions | 1 g |
| Counting reference weight can be entered | ✓ |
| Reference quantity | 5, 10, 20, 50, free, Input |
| Counting resolution (laboratory conditions) | 80.000 |

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 UK US CH |
| Plug-in power supply / adapter for countries - optional | EURO UK US CH |
| Rechargeable battery optional | Rchrg. battery optional |
| Rechargeable battery charging time | 8 h |
| Rechargeable battery operating time - backlight on | 24 h |
| Rechargeable battery operating time - backlight off | 48 h |
| Battery / accumulator type | Li-Ion |
| Battery operating time | 20 h |

Environmental conditions

| | |
|-------------------------------|--------|
| Humidity of environment [Min] | 0 % |
| Humidity of environment [Max] | 80 % |
| Ambient temperature [Min] | 0 °C |
| Ambient temperature [Max] | 40 °C |
| Storage temperature [Min] | -20 °C |
| Storage temperature [Max] | 60 °C |

Packing & Shipping

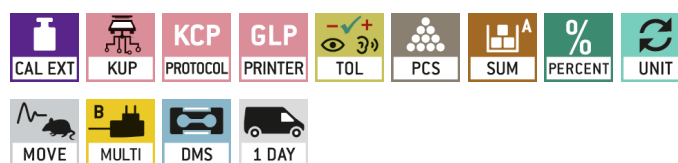
| | |
|------------------------------|----------------|
| Readability force [d] (N) | 1 d |
| Dimensions packaging (W×D×H) | 395×335×200 mm |
| Net weight | 3,63 kg |
| Shipping method | Parcel service |
| Net weight approx. | 3,8 kg |
| Gross weight approx. | 4,2 kg |
| Shipping weight | 5,3 kg |

Services (optional)

| | |
|---|---------|
| Article number for DAkkS calibration | 963-128 |
| Article number for certificate of conformity (verification) | 969-517 |

Pictograms

STANDARD



OPTION

