

# KERN IFB 60K10DM

High-resolution industrial scale in heavy version, verification optional



|                                 |                 |
|---------------------------------|-----------------|
| Display backlight               | ✓               |
| Display segments                | 5 + 1/2         |
| Display digit height            | 52 mm           |
| Languages of the user interface | Symbol language |

## Construction

|   |                      |
|---|----------------------|
| Dimensions completely mounted (W×D×H)     | 560×300×490 mm       |
| Dimension display device (W×D×H)          | 250×160×58 mm        |
| Dimensions weighing surface (W×D)         | 400×300 mm           |
| Dimensions weighing surface               | 400×300 mm           |
| Dimensions weighing platform (W×D×H)      | 400×300×117 mm       |
| Material housing                          | plastic              |
| Material weighing plate                   | stainless steel      |
| Material platform                         | steel, powder-coated |
| Material display housing                  | Plastics             |
| Material load cell(s)                     | aluminium            |
| Level indicator                           | ✓                    |
| Levelling feet adjustable                 | ✓                    |
| Stand height                              | 600 mm               |
| Stand inclinable                          | ✓                    |
| Wall mount                                | ✓                    |
| Display device cable length               | 3 m                  |
| Allowed cable length display device [Max] | 3 m                  |
| Load cells - number                       | 1                    |

## Functions

|   |                        |
|---|------------------------|
| Sum memory function   | ✓                      |
| Recipe/summing level  | Sum A                  |
| Tolerance weighing  | ✓                      |
| Tolerance weighing - type of signal                               | acoustically<br>visual |
| Function for averaging under unstable weighing conditions         | ✓                      |
| Counting function   | ✓                      |
| Counting resolution (laboratory conditions)                       | 60.000                 |
| Smallest piece weight when piece counting - laboratory conditions | 1 g                    |
| Smallest piece weight when piece counting - normal conditions     | 10 g                   |
| Reference quantity  | 10, 20, 50, 100, 200   |
| IP protection - complete device                                   | -                      |
| IP protection - display   | no IP protection       |
| IP protection - platform  | no IP protection       |
| IP protection - load cell   | IP65                   |

## Category

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

## Measuring System

|  |                                |
|--|--------------------------------|
| Construction type of the scale           | Multi-range balance            |
| Weighing system                          | Strain gauge                   |
| Weighing capacity [Max]                  | 30 kg; 60 kg                   |
| Readability [d]                          | 0,01 kg; 0,02 kg               |
| Reproducibility                          | 0,01 kg; 0,02 kg               |
| Linearity                                | ± 0,01 kg; 0,02 kg             |
| Minimum weight [Min]                     | 0,2 kg; 0,4 kg                 |
| Resolution                               | 3.000, 3.000                   |
| Adjustment options                       | Adjusting with external weight |
| Recommended adjusting weight             | 60 kg (M1)                     |
| Stabilization time                       | 2 s                            |
| Warm-up time                             | 10 min; 10 min                 |
| Eccentric loading at 1/3 [Max]           | 0,05 kg; 0,1 kg                |
| Default unit                             | kg                             |
| Units                                    | kg                             |
| Units (if device is conformity assessed) | kg                             |
| Conformity assessment possible           | ✓                              |
| Loadcell type                            | aluminium IP65 silicone-coated |
| Load cell connection                     | 4-wire                         |

## Display

|              |     |
|--------------|-----|
| Display type | LCD |
|--------------|-----|

# KERN IFB 60K10DM

High-resolution industrial scale in heavy version, verification optional

|  |                         |
|--|-------------------------|
| Auto-off interval(s) in battery mode/rechargeable battery mode | off<br>5 min<br>15 min  |
| Auto-off interval(s) in mains power mode                       | off<br>5 min<br>15 min  |
| Tare function  | manual (single & multi) |
| Number of keys for operation                                   | 7                       |

## Interface

|                                  |  |
|----------------------------------|--|
| Interfaces                       | RS-232 standard                          |
|                                  | Bluetooth BTC (v2.0) (optional, factory) |
|                                  | analogue (0 - 10 V) (optional, factory)  |
|                                  | analogue (4 - 20 mA) (optional, factory) |
| EasyTouch (ET) - Connection type | RS232 (+optionale Schnittstellen)        |

## Power Supply

|   |                           |
|---|---------------------------|
| Supplied power supply   | Power supply unit         |
| Plug-in power supply type   | Power adapter             |
| Plug-in power supply / adapter for countries - included with the delivery | EURO                      |
|   | UK                        |
|   | US                        |
| Plug-in power supply / adapter for countries - optional                   | EURO                      |
|   | AUS                       |
|   | UK                        |
|   | US                        |
|   | CH                        |
| Input voltage power supply / power [Max]                                  | 100 V - 240 V, 50 / 60 Hz |
| Input voltage device / power [Max]  | 12 V, 500 mA              |
| Battery / accumulator type  | Pb                        |
| Battery   | no battery                |
| Rechargeable battery operating time - backlight on                        | 8 h                       |
| Rechargeable battery operating time - backlight off                       | 35 h                      |
| Rechargeable battery charging time  | 12 h                      |
| Rechargeable battery optional   | Rchrg. battery optional   |

## 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]         | 0,01 kg; 0,02 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 |
| Article number for certificate of conformity (verification)   | 969-517 |

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 470×802×227 mm |
| Net weight                   | 6,9 kg         |
| Shipping method              | Parcel service |
| Net weight approx.           | 7 kg           |
| Gross weight approx.         | 9 kg           |
| Shipping weight              | 17,1 kg        |

## Pictograms

### STANDARD



### OPTION



### FACTORY

