

# KERN IFS 30K-3M

**KERN**

Industrial counting scale with convenient decimal keypad for easy data entry, counting resolution 60.000 points, verification optional



|                                       |         |
|---------------------------------------|---------|
| Display backlight                     | ✓       |
| Display digit height - smallest digit | 13,5 mm |
| Display digit height                  | 16,5 mm |

## Construction

|                                       |                 |
|---------------------------------------|-----------------|
| Dimensions completely mounted (W×D×H) | 795×470×230 mm  |
| Dimension display device (W×D×H)      | 260×150×65 mm   |
| Dimensions weighing surface (W×D)     | 400×300 mm      |
| Dimensions weighing surface           | 400×300 mm      |
| Dimensions weighing platform (W×D×H)  | 400×300×114 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 height                          | 330 mm          |
| Stand inclinable                      | ✓               |
| Wall mount                            | ✓               |
| Transport safety lock - bolt torque   | 0,1 Nm          |
| Cable length                          | 2,5 m           |
| Display device cable length           | 3 m             |
| Load cells - number                   | 1               |

## Functions

|                                                                   |                          |
|-------------------------------------------------------------------|--------------------------|
| PreTare function                                                  | ✓                        |
| Sum memory function                                               | ✓                        |
| Recipe/summing level                                              | Sum A                    |
| PLU - total                                                       | 100                      |
| Tolerance weighing                                                | ✓                        |
| Tolerance weighing - type of signal                               | acoustically<br>visual   |
| Counting function                                                 | ✓                        |
| Counting resolution (laboratory conditions)                       | 60.000                   |
| Counting reference weight can be entered                          | ✓                        |
| Smallest piece weight when piece counting - laboratory conditions | 500 mg                   |
| Smallest piece weight when piece counting - normal conditions     | 5 g                      |
| Reference quantity                                                | n (any number of pieces) |
| IP protection - complete device                                   | -                        |
| IP protection - display                                           | no IP protection         |
| IP protection - platform                                          | no IP protection         |

## Category

|                  |                  |
|------------------|------------------|
| Brand            | KERN             |
| Product category | Industrial scale |
| Product group    | Counting scale   |
| Product family   | IFS              |

## Measuring System

|                                          |                                |
|------------------------------------------|--------------------------------|
| Weighing system                          | Strain gauge                   |
| Weighing capacity [Max]                  | 15 kg; 30 kg                   |
| Readability [d]                          | 0,005 kg; 0,01 kg              |
| Reproducibility                          | 0,005 kg; 0,01 kg              |
| Linearity                                | ± 0,005 kg; 0,01 kg            |
| Minimum weight [Min]                     | 0,1 kg; 0,2 kg                 |
| Resolution                               | 3.000, 3.000                   |
| Tare range                               | 30 kg                          |
| Adjustment options                       | Adjusting with external weight |
| Recommended adjusting weight             | 30 kg (M1)                     |
| Stabilization time                       | 2 s                            |
| Warm-up time                             | 10 min; 10 min                 |
| Eccentric loading at 1/3 [Max]           | 0,005 kg; 0,01 kg              |
| Load cell connection                     | 4-wire                         |
| Units (if device is conformity assessed) | kg                             |
| Construction type of the scale           | Multi-range balance            |
| Units                                    | kg                             |
| Default unit                             | kg                             |
| Loadcell type                            | aluminium IP65 silicone-coated |

## Display

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

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|                                                                |                |
|----------------------------------------------------------------|----------------|
| IP protection - load cell                                      | IP65           |
| Peak function                                                  | ✓              |
| Memory function                                                | ✓              |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 3 min<br>off   |
| Auto-off interval(s) in mains power mode                       | off            |
| Tare function                                                  | manual (multi) |
| Number of keys for operation                                   | 21             |

## Interface

|            |                 |
|------------|-----------------|
| Interfaces | RS-232 standard |
|------------|-----------------|

## 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>AUS<br>UK<br>US<br>CH                                               |
| Power supply - Cable length                                               | 180 cm                                                                      |
| Input voltage power supply / power [Max]                                  | 100 - 240 V~ 50/60 Hz<br>190 mA                                             |
| Power supply cable removable                                              | removable                                                                   |
| Input voltage device / power [Max]                                        | 12 V, 500 mA                                                                |
| Power socket for mains adapter                                            | Hollow plug, inside plus,<br>Ø outside 5,5 mm, Ø inside 2,1 mm, long 9,5 mm |
| Battery / accumulator type                                                | Pb                                                                          |
| Rechargeable battery                                                      | 6 V, 1.2 Ah                                                                 |
| Rechargeable battery operating time - backlight on                        | 8 h                                                                         |
| Rechargeable battery operating time - backlight off                       | 18 h                                                                        |
| Rechargeable battery charging time                                        | 12 h                                                                        |
| Rechargeable battery optional                                             | Rchrg. battery optional (factory)                                           |

## Environmental conditions

|                               |        |
|-------------------------------|--------|
| Ambient temperature [Min]     | -10 °C |
| Ambient temperature [Max]     | 40 °C  |
| Humidity of environment [Max] | 80 %   |
| Storage temperature [Min]     | -20 °C |

|                           |       |
|---------------------------|-------|
| Storage temperature [Max] | 60 °C |
|---------------------------|-------|

## Approval

|                                         |                   |
|-----------------------------------------|-------------------|
| CE mark                                 | ✓                 |
| Conformity assessment possible ex works | ✓                 |
| Accuracy classe                         | III               |
| Verification scale interval [e]         | 0,005 kg; 0,01 kg |

## Services (optional)

|                                                               |         |
|---------------------------------------------------------------|---------|
| Article number for adjustment at the location of installation | 961-248 |
| Article number for conformity assessment                      | 965-228 |
| Article number for DAkkS calibration                          | 963-128 |
| Article number for certificate of conformity                  | 969-517 |

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 795×460×220 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 7 kg           |
| Gross weight approx.         | 9 kg           |
| Shipping weight              | 16,1 kg        |

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761151017            |
| REACH classification | no prohibited substances |

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## Pictograms

### STANDARD



### OPTION



### FACTORY

