

# KERN FES 62K-4D

High-capacity precision balance with password-protected user administration



|                                |                  |
|--------------------------------|------------------|
| Stabilization time             | 3 s              |
| Warm-up time                   | 120 min; 120 min |
| Eccentric loading at 1/3 [Max] | 0,3 g; 3 g       |
| Maximum creep (15 minutes)     | 10 g             |
| Maximum creep (30 minutes)     | 20 g             |

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

| Display                               |           |
|---------------------------------------|-----------|
| Display type                          | LCD       |
| Display type                          | LCD       |
| Display screen size                   | 172×58 mm |
| Display backlight                     | ✓         |
| Display digit height - smallest digit | 8,5 mm    |
| Display digit height                  | 16,5 mm   |
| Languages of the user interface       | English   |

| Construction                         |                            |
|--------------------------------------|----------------------------|
| Dimension display device (W×D×H)     | 290×180×80 mm              |
| Dimension housing (W×D×H)            | 350×520×170 mm             |
| Dimensions weighing platform (W×D×H) | 400×350×150 mm             |
| Material display housing             | stainless steel            |
| Material housing                     | stainless steel, cast iron |
| Material weighing plate              | stainless steel            |
| Material platform                    | Stainless steel            |
| Dimensions weighing surface (W×D)    | 350×400 mm                 |
| Display device cable length          | 1 m                        |
| Levelling feet adjustable            | ✓                          |
| Wall mount                           | ✓                          |

| Functions                           |                        |
|-------------------------------------|------------------------|
| Number of keys for operation        | 9                      |
| Capacity - Display                  | ✓                      |
| PreTare function                    | ✓                      |
| Tare function                       | manual (multi)         |
| Percentage determination            | ✓                      |
| Counting function                   | ✓                      |
| Tolerance weighing                  | ✓                      |
| Tolerance weighing - type of signal | acoustically<br>visual |
| Standby function                    | ✓                      |
| Recipe/summing level                | Rez A (Net total)      |
| Sum memory function                 | ✓                      |
| Underfloor weighing                 | Hook (optional)        |

| Category         |                    |
|------------------|--------------------|
| Brand            | KERN               |
| Product category | Laboratory balance |
| Product group    | Precision balance  |
| Product family   | FES                |

| Measuring System                               |  |
|--|--|
| Construction type of the scale                 | Multi-division balance   |
| Weighing system                                | Tuning fork  |
| Weighing capacity [Max]                        | 6200 g; 62000 g  |
| Readability [d]                                | 0,1 g; 1 g   |
| Readability carat [d] (ct)                     | 1 ct; 10 ct  |
| Resolution                                     | 62.000, 62.000   |
| Linearity                                      | ± 0,3 g; 3 g   |
| Reproducibility                                | 0,1 g; 1 g   |
| Tare range                                     | 62000 g  |
| Default unit                                   | g  |
| Units  | kg<br>g<br>dwt<br>tl (Tw)<br>tl (HK)<br>ozt<br>tl (Singap, Malays)<br>ct<br>lb<br>oz<br>tol<br>mom |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 200 g  |
| Adjustment options                             | Adjusting with external weight   |
| Recommended adjusting weight                   | 50 kg (F1)   |

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|                                 |   |
|---------------------------------|---|
| Interfaces                      | Digital I/O (optional, factory)<br>RS-232 standard - 2x |
| IP protection - complete device | IP65  |
| IP protection - display         | IP65  |
| IP protection - load cell       | IP65  |
| IP protection - platform        | IP65  |

## Counting

|   |   |
|---|---|
| Smallest piece weight when piece counting - laboratory conditions | 100 mg  |
| Smallest piece weight when piece counting - normal conditions     | 1 g   |
| Reference quantity  | 5, 10, 30, 50, 100, n<br>(any number of pieces) |
| Counting resolution (laboratory conditions)                       | 620.000   |

## Power Supply

|   |                                   |
|---|-----------------------------------|
| Input voltage power supply / power [Max]                                  | 100 V - 240 V AC, 50 / 60 Hz      |
| Input voltage device / power [Max]  | 12 V, 1.0 A                       |
| 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<br>AUS<br>UK<br>US           |
| Plug-in power supply / adapter for countries - optional                   | EURO<br>AUS<br>UK<br>US<br>CH     |
| Rechargeable battery optional   | Rchrg. battery optional (factory) |
| Rechargeable battery charging time  | 12 h                              |
| Rechargeable battery operating time - backlight off                       | 10 h                              |

## Environmental conditions

|                               |       |
|-------------------------------|-------|
| Humidity of environment [Max] | 80 %  |
| Ambient temperature [Min]     | 5 °C  |
| Ambient temperature [Max]     | 35 °C |

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Readability force [d] (N)    | 1 d            |
| Dimensions packaging (W×D×H) | 490×830×430 mm |
| Net weight                   | 18 kg          |

|                      |                |
|----------------------|----------------|
| Shipping method      | Parcel service |
| Net weight approx.   | 18 kg          |
| Gross weight approx. | 24 kg          |
| Shipping weight      | 35 kg          |

## Services (optional)

|   |         |
|---|---------|
| Article number for DAkkS calibration                        | 963-129 |
| Article number for certificate of conformity (verification) | 969-517 |

## Pictograms

### STANDARD



### OPTION



### FACTORY

