

# KERN FEJ 17K-4M



High-capacity precision balance with password-protected user administration, with optional verification



## Category

|                  |                    |
|------------------|--------------------|
| Brand            | KERN               |
| Product category | Laboratory balance |
| Product group    | Precision balance  |
| Product family   | FEJ                |

## Measuring System

|                                                |                                                                    |
|------------------------------------------------|--------------------------------------------------------------------|
| Weighing system                                | Tuning fork                                                        |
| Weighing capacity [Max]                        | 17000 g                                                            |
| Readability [d]                                | 0,1 g                                                              |
| Reproducibility                                | 0,1 g                                                              |
| Linearity                                      | ± 0,3 g                                                            |
| Minimum weight [Min]                           | 5 g                                                                |
| Conformity assessment possible                 | ✓                                                                  |
| Resolution                                     | 170.000                                                            |
| Tare range                                     | 17000 g                                                            |
| Adjustment options                             | Internal calibration (automatic)                                   |
| Stabilization time                             | 3 s                                                                |
| Warm-up time                                   | 120 min                                                            |
| Eccentric loading at 1/3 [Max]                 | 0,3 g                                                              |
| Units (if device is conformity assessed)       | kg<br>g                                                            |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 200 g                                                              |
| Construction type of the scale                 | Single-range balance                                               |
| Units                                          | kg<br>g<br>dwt<br>tl (Tw)<br>tl (HK)<br>ozt<br>tl (Singap, Malays) |

|              |                              |
|--------------|------------------------------|
|              | ct<br>lb<br>oz<br>tol<br>mom |
| Default unit | g                            |

## Display

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

## Construction

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

## Functions

|                                     |                        |
|-------------------------------------|------------------------|
| PreTare function                    | ✓                      |
| Sum memory function                 | ✓                      |
| Recipe/summing level                | Rez A (Net total)      |
| Percentage determination            | ✓                      |
| Dispensing function                 | ✓                      |
| Tolerance weighing                  | ✓                      |
| Tolerance weighing - type of signal | acoustically<br>visual |
| Underfloor weighing                 | Hook (optional)        |
| Capacity - Display                  | ✓                      |
| Standby function                    | ✓                      |
| Counting function                   | ✓                      |

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|                                                                   |                                              |
|-------------------------------------------------------------------|----------------------------------------------|
| Counting resolution (laboratory conditions)                       | 170.000                                      |
| 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 (any number of pieces) |
| IP protection - complete device                                   | IP65                                         |
| IP protection - display                                           | IP65                                         |
| IP protection - platform                                          | IP65                                         |
| IP protection - load cell                                         | IP65                                         |
| Tare function                                                     | manual (multi)                               |
| Number of keys for operation                                      | 9                                            |

## Interface

|            |                                                         |
|------------|---------------------------------------------------------|
| Interfaces | Digital I/O (optional, factory)<br>RS-232 standard - 2x |
|------------|---------------------------------------------------------|

## 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<br>AUS<br>UK<br>US                                                    |
| Plug-in power supply / adapter for countries - optional                   | EURO<br>AUS<br>UK<br>US<br>CH                                              |
| Input voltage power supply / power [Max]                                  | 100 V - 240 V AC, 50 / 60 Hz                                               |
| Power supply cable removable                                              | removable                                                                  |
| Input voltage device / power [Max]                                        | 12 V, 1.0 A                                                                |
| Power socket for mains adapter                                            | Hollow plug, inside minus, Ø outside 4,75 mm, Ø inside 1,7 mm, long 9,5 mm |
| Battery voltage                                                           | 3 V                                                                        |
| Battery - Individual weight                                               | 6,6 g                                                                      |
| Rechargeable battery operating time - backlight off                       | 10 h                                                                       |
| Rechargeable battery charging time                                        | 12 h                                                                       |
| Rechargeable battery optional                                             | Rchrg. battery optional (factory)                                          |

## Environmental conditions

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

## Approval

|                                         |     |
|-----------------------------------------|-----|
| CE mark                                 | ✓   |
| Conformity assessment possible ex works | ✓   |
| Accuracy classe                         | II  |
| Verification scale interval [e]         | 1 g |

## Services (optional)

|                                              |         |
|----------------------------------------------|---------|
| Article number for conformity assessment     | 965-217 |
| 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) | 490×830×430 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 19 kg          |
| Gross weight approx.         | 26 kg          |
| Shipping weight              | 35 kg          |

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761311305            |
| REACH classification | no prohibited substances |

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## Pictograms

### STANDARD



### OPTION



### FACTORY

