

# KERN EW 620-3NM

**KERN**

The classic balance with robust tuning fork measuring system



## Category

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

## Measuring System

|                                                |                                                                          |
|------------------------------------------------|--------------------------------------------------------------------------|
| Construction type of the scale                 | Single-range balance                                                     |
| Weighing system                                | Tuning fork                                                              |
| Weighing capacity [Max]                        | 620 g                                                                    |
| Readability [d]                                | 0,001 g                                                                  |
| Reproducibility                                | 0,001 g                                                                  |
| Linearity                                      | ± 0,003 g                                                                |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 2 g                                                                      |
| Resolution                                     | 620.000                                                                  |
| Adjustment options                             | Adjusting with external weight                                           |
| Recommended adjusting weight                   | 500 g (E2)                                                               |
| Stabilization time                             | 2 s                                                                      |
| Warm-up time                                   | 4 h                                                                      |
| Eccentric loading at 1/3 [Max]                 | 0,003 g                                                                  |
| Maximum creep (15 minutes)                     | 10 mg                                                                    |
| Maximum creep (30 minutes)                     | 20 mg                                                                    |
| Default unit                                   | g                                                                        |
| Units                                          | g<br>dwt<br>tl (Tw)<br>tl (HK)<br>ozt<br>tl (Singap, Malays)<br>ct<br>lb |

oz  
to  
mom

## Display

|                                 |                 |
|---------------------------------|-----------------|
| Display type                    | LCD             |
| Display backlight               | ✓               |
| Display screen size             | 109×22 mm       |
| Display digit height            | 17 mm           |
| Languages of the user interface | Symbol language |

## Construction

|                                                       |                 |
|-------------------------------------------------------|-----------------|
| Dimension housing (W×D×H)                             | 180×235×75 mm   |
| Dimensions completely mounted (W×D×H)                 | 185×235×165 mm  |
| Dimensions rectangular draught shield - inner (W×D×H) | 158×130×78 mm   |
| Dimensions rectangular draught shield - outer (W×D×H) | 174×144×105 mm  |
| Dimensions weighing surface (Ø)                       | 118 mm          |
| Dimensions weighing surface                           | 118 mm          |
| Material housing                                      | plastic         |
| Material weighing plate                               | stainless steel |
| Material draught shield                               | plastic         |
| Level indicator                                       | ✓               |
| Levelling feet adjustable                             | ✓               |
| Draught shield optional                               | ✓               |

## Functions

|                                                                   |                 |
|-------------------------------------------------------------------|-----------------|
| Percentage determination                                          | ✓               |
| Tolerance weighing                                                | ✓               |
| Tolerance weighing - type of signal                               | visual          |
| Underfloor weighing                                               | Eye (optional)  |
| Capacity - Display                                                | ✓               |
| Counting function                                                 | ✓               |
| Counting resolution (laboratory conditions)                       | 620.000         |
| Smallest piece weight when piece counting - laboratory conditions | 1 mg            |
| Smallest piece weight when piece counting - normal conditions     | 10 mg           |
| Reference quantity                                                | 10, 30, 50, 100 |
| Auto-off interval(s) in battery mode/rechargeable battery mode    | 3 min           |
| Auto-off interval(s) in mains power mode                          | 3 min           |
| Tare function                                                     | manual (multi)  |
| Number of keys for operation                                      | 5               |

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## Interface

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

## 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>UK<br>US<br>CH        |
| Plug-in power supply / adapter for countries - optional                   | EURO<br>AUS<br>UK<br>US<br>CH |
| Input voltage power supply / power [Max]                                  | 220 V - 240 V AC, 50 Hz       |
| Input voltage device / power [Max]                                        | 12 V, 1 A                     |
| Battery / accumulator type                                                | NiCd                          |
| Rechargeable battery                                                      | EG-A04                        |
| Rechargeable battery operating time - backlight on                        | 12 h                          |
| Rechargeable battery charging time                                        | 12 h                          |
| Rechargeable battery optional                                             | Rchrg. battery optional       |

## Environmental conditions

|                               |        |
|-------------------------------|--------|
| Ambient temperature [Min]     | 10 °C  |
| Ambient temperature [Max]     | 30 °C  |
| Humidity of environment [Max] | 80 %   |
| Storage temperature [Min]     | -20 °C |
| Storage temperature [Max]     | 60 °C  |

## Approval

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

## Services (optional)

|                                              |         |
|----------------------------------------------|---------|
| Article number for DAkkS calibration         | 963-103 |
| Article number for certificate of conformity | 969-517 |

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 400×325×220 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 1,4 kg         |
| Gross weight approx.         | 3,0 kg         |

Shipping weight

5,7 kg

## Pictograms

### STANDARD



### OPTION

