

# KERN EW 4200-2NM

**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                               |                                                                                             |
|------------------------------------------------|---------------------------------------------------------------------------------------------|
| Weighing system                                | Tuning fork                                                                                 |
| Weighing capacity [Max]                        | 4200 g                                                                                      |
| Readability [d]                                | 0,01 g                                                                                      |
| Reproducibility                                | 0,01 g                                                                                      |
| Linearity                                      | ± 0,02 g                                                                                    |
| Resolution                                     | 420.000                                                                                     |
| Adjustment options                             | Adjusting with external weight                                                              |
| Recommended adjusting weight                   | 2 kg (E2); 2 kg (E2)                                                                        |
| Stabilization time                             | 2 s                                                                                         |
| Eccentric loading at 1/3 [Max]                 | 0,03 g                                                                                      |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 20 g                                                                                        |
| Construction type of the scale                 | Single-range balance                                                                        |
| Units                                          | g<br>dwt<br>tl (Tw)<br>tl (HK)<br>ozt<br>tl (Singap, Malays)<br>ct<br>lb<br>oz<br>to<br>mom |
| Maximum creep (15 minutes)                     | 100 mg                                                                                      |
| Maximum creep (30 minutes)                     | 200 mg                                                                                      |

Default unit g

| 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) | 180×235×75 mm   |
| Dimensions weighing surface (W×D)     | 180×160 mm      |
| Dimensions weighing surface           | 180×160 mm      |
| Material housing                      | plastic         |
| Material weighing plate               | stainless steel |
| Level indicator                       | ✓               |
| Levelling feet adjustable             | ✓               |

| Functions                                                         |                 |
|-------------------------------------------------------------------|-----------------|
| Percentage determination                                          | ✓               |
| Tolerance weighing                                                | ✓               |
| Tolerance weighing - type of signal                               | visual          |
| Underfloor weighing                                               | Eye (optional)  |
| Capacity - Display                                                | ✓               |
| Counting function                                                 | ✓               |
| Counting resolution (laboratory conditions)                       | 420.000         |
| Smallest piece weight when piece counting - laboratory conditions | 10 mg           |
| Smallest piece weight when piece counting - normal conditions     | 100 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               |

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

| Power Supply          |                   |
|-----------------------|-------------------|
| Supplied power supply | Power supply unit |
| Power supply type     | Power adapter     |

# KERN EW 4200-2NM

**KERN**

The classic balance with robust tuning fork measuring system

|                                                                           |                                                                          |
|---------------------------------------------------------------------------|--------------------------------------------------------------------------|
| 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                                                                |
| Power socket for mains adapter                                            | Hollow plug inside minus, Ø outside 5,2 mm, Ø inside 1,7 mm, long 9,4 mm |
| Battery / accumulator type                                                | NiCd                                                                     |
| Rechargeable battery                                                      | EG-A06                                                                   |
| 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         | 963-127 |
| Article number for certificate of conformity | 969-517 |

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 320×410×230 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 3,0 kg         |
| Gross weight approx.         | 4,2 kg         |
| Shipping weight              | 6 kg           |

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761028807            |
| Trade number         | 90160010                 |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD



### OPTION

