

# KERN EMB 600-2

**KERN**

Entry level laboratory balance with tremendous weighing performance



Date of creation: 19.06.2026

## Category

|                  |                    |
|------------------|--------------------|
| Brand            | KERN               |
| Product category | Laboratory balance |
| Product group    | School balance     |
| Product family   | EMB                |

## Measuring System

|                         |              |
|-------------------------|--------------|
| Weighing system         | Strain gauge |
| Weighing capacity [Max] | 600 g        |
| Readability [d]         | 0,01 g       |
| Reproducibility         | 0,01 g       |
| Linearity               | ± 0,03 g     |
| Resolution              | 60.000       |
| Tare range              | 600 g        |

Adjustment options      Adjusting with external weight

Recommended adjusting weight      500 g (F2)

Possible calibration points      500 g

Stabilization time      2,5 s

Eccentric loading at 1/3 [Max]      0,03 g

Construction type of the scale      Single-range balance

Units      g  
dwt  
ozt  
oz

Maximum creep (15 minutes)      100 mg

Maximum creep (30 minutes)      200 mg

Default unit      g

## Display

|                   |     |
|-------------------|-----|
| Display type      | LCD |
| Display backlight | no  |

|                                 |                 |
|---------------------------------|-----------------|
| Display screen size             | 58×18 mm        |
| Display digit height            | 15 mm           |
| Languages of the user interface | Symbol language |

## Construction

|                                 |               |
|---------------------------------|---------------|
| Dimension housing (W×D×H)       | 170×244×39 mm |
| Dimensions weighing surface (Ø) | 105 mm        |
| Dimensions weighing surface     | 105 mm        |
| Material housing                | plastic       |
| Material weighing plate         | plastic       |
| Material display housing        | plastic       |

## Functions

|                                                                |                             |
|----------------------------------------------------------------|-----------------------------|
| Underfloor weighing                                            | Hook (included in delivery) |
| IP protection - complete device                                | -                           |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 3 min                       |
| Tare function                                                  | manual (multi)              |
| Number of keys for operation                                   | 2                           |

## Power Supply

|                                                         |                                                                          |
|---------------------------------------------------------|--------------------------------------------------------------------------|
| Supplied power supply                                   | Battery                                                                  |
| Power supply type                                       | Power adapter                                                            |
|                                                         | EURO                                                                     |
| Plug-in power supply / adapter for countries - optional | UK<br>US<br>CH                                                           |
| Input voltage device / power [Max]                      | 9 V, 300 mA                                                              |
| Power socket for mains adapter                          | Hollow plug, inside minus, Ø inside 2,1 mm, Ø outside 5,5 mm, long 12 mm |
| Battery / accumulator type                              | Alkali-(Manganese)                                                       |
| Battery                                                 | 9 V block                                                                |
| Battery connection                                      | Pad + Spring                                                             |
| Battery operating time                                  | 25 h                                                                     |
| Battery capacity                                        | 680 mAh                                                                  |
| Battery voltage                                         | 18 V                                                                     |
| Battery - Number of cells                               | 2                                                                        |
| Battery - Individual weight                             | 36,5 g                                                                   |
| Battery - Total weight                                  | 36,5 g                                                                   |
| Battery - Construction                                  | Individual cells                                                         |
| Battery capacity (Wh)                                   | 4,95 Wh                                                                  |
| Battery - Lithium content                               | 0 g                                                                      |
| Rechargeable battery                                    | KS-A01                                                                   |
| Rechargeable battery operating time - backlight off     | 50 h                                                                     |

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|                                    |                         |
|------------------------------------|-------------------------|
| Rechargeable battery charging time | 10 h                    |
| Rechargeable battery optional      | Rchrg. battery optional |
| Battery/Accu connected             | not connected, enclosed |

## Environmental conditions

|                               |        |
|-------------------------------|--------|
| Ambient temperature [Min]     | 5 °C   |
| Ambient temperature [Max]     | 35 °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) | 210×265×90 mm  |
| Shipping method              | Parcel service |
| Net weight approx.           | 0,50 kg        |
| Gross weight approx.         | 0,70 kg        |
| Shipping weight              | 1 kg           |
| Shipping volume weight       | 1 kg           |

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761076556            |
| Trade number         | 90160010                 |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD



### OPTION

