# KERN **EFS 3000-1**

Perfect school balances for experimental teaching – easy to use, space-saving, stackable




**Date of creation: 24.10.2026**

## Category

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

## Measuring System

| | |
|---|---|
| Weighing system | Strain gauge |
| Number of weighing ranges | 1 |
| Weighing capacity [Max] | 3000 g |
| Readability [d] | 0,1 g |
| Reproducibility | 0,1 g |
| Linearity | ± 0,3 g |
| Resolution | 30.000 |
| Adjustment options | Adjusting with external weight |
| Recommended adjusting weight | 3 kg (F2) |
| Possible calibration points | 3 kg |
| Stabilization time | 2,5 s |
| Linearisation in dots | 2 |
| Eccentric loading at 1/3 [Max] | 0,5 g |
| Construction type of the scale | Single-range balance |
| Units | g<br>gn<br>dwt<br>ozt<br>lb<br>oz |
| Maximum creep (15 minutes) | 400 mg |
| Maximum creep (30 minutes) | 800 mg |
| Default unit | g |
| Warm-up time | 120 min |

## Display

| | |
|---|---|
| Display type | LCD |
| Display type | LCD |
| Display backlight | no |
| Display screen size | 55×23 mm |
| Display segments | 5 + 1/2 |
| Display digit height | 15 mm |
| Languages of the user interface | Symbol language |

## Construction

| | |
|---|---|
| Dimension housing (W×D×H) | 145×205×46,5 mm |
| Dimensions weighing surface (W×D) | 134×127 mm |
| Dimensions weighing surface | 134×127 mm |
| Dimensions weighing platform (W×D×H) | 130×125×10 mm |
| Material housing | plastic |
| Material weighing plate | plastic |
| Material platform | plastic |
| Material display housing | plastic |

## Functions

| | |
|---|---|
| IP protection - complete device | - |
| Capacity - Display | ✓ |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 3 min<br>off<br>1 min<br>30 sec |
| Tare function | manual (multi) |
| Number of keys for operation | 2 |

## Power Supply

| | |
|---|---|
| Supplied power supply | Battery |
| Power supply type | Power adapter |
| Plug-in power supply / adapter for countries - optional | EURO<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] | 6 V, 1 A |

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|---|---|
| Power socket for mains adapter | Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 13 mm |
| Battery / accumulator type | Alkali(-Manganese) |
| Battery | 4×1.5 V AA |
| Battery connection | Pad + Spring |
| Battery operating time | 200 h |
| Battery capacity | 2.700 mAh |
| Battery voltage | 6 V |
| Battery – Number of cells | 4 |
| Battery – Individual weight | 22,6 g |
| Battery – Total weight | 90,4 g |
| Battery capacity (Wh) | 4,05 Wh |
| Battery – Lithium content | 0 g |
| Battery/Accu connected | not connected, enclosed |

## Environmental conditions

| | |
|---|---|
| Ambient temperature [Min] | 10 °C |
| Ambient temperature [Max] | 40 °C |
| Humity of environment [Max] | 80 % |

## Services (optional)

| | |
|---|---|
| Article number for adjustment at the location of installation | 961-247 |
| 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) | 255×200×70 mm |
| Shipping method | Parcel service |
| Net weight approx. | 0,55 kg |
| Gross weight approx. | 0,60 kg |
| Shipping weight | 0,7 kg |
| Shipping volume weight | 0,7 kg |

## Product information

| | |
|---|---|
| GTIN/EAN number | 4045761252905 |
| Trade number | 84238129 |
| Warranty Time | 24 mon |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD




### OPTION

