# KERN **EFS 500-2**

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

**KERN**

## Category

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

## Measuring System

| | |
|---|---|
| Construction type of the scale | Single-range balance |
| Number of weighing ranges | 1 |
| Weighing system | Strain gauge |
| Weighing capacity [Max] | 500 g |
| Readability [d] | 0,01 g |
| Resolution | 50.000 |
| Linearity | ± 0,03 g |
| Linearisation in dots | 2 |
| Reproducibility | 0,01 g |
| Default unit | g |
| Units | g<br>gn<br>dwt<br>ozt<br>lb<br>oz |
| Adjustment options | Adjusting with external weight |
| Recommended adjusting weight | 500 g (F2) |
| Possible calibration points | 500 g |
| Stabilization time | 2,5 s |
| Warm-up time | 120 min |
| Eccentric loading at 1/3 [Max] | 0,05 g |
| Maximum creep (15 minutes) | 40 mg |
| Maximum creep (30 minutes) | 80 mg |

## Approval

| | |
|---|---|
| CE mark | ✓ |

## Display

| | |
|---|---|
| Display type | LCD |
| Display type | LCD |
| Display screen size | 55×23 mm |
| Display backlight | no |
| 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 platform (W×D×H) | 130×125×10 mm |
| Material display housing | Plastics |
| Material housing | plastic |
| Material weighing plate | plastic |
| Material platform | Plastics |
| Dimensions weighing surface (W×D) | 134×127 mm |

## Functions

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

## Power Supply

| | |
|---|---|
| Input voltage power supply / power [Max] | 100 V - 240 V AC, 50 / 60 Hz |
| Input voltage device / power [Max] | 5,9V, 1A |
| Plug-in power supply type | Power adapter |
| Supplied power supply | Battery |
| Plug-in power supply / adapter for countries - optional | EURO<br>UK<br>US<br>CH |
| Battery | 4×1.5 V AA |
| Battery / accumulator type | Alkali(-Manganese) |
| Battery connection | Pad + Spring |
| Battery voltage | 6 V |
| Battery operating time | 200 h |

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## Environmental conditions

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

## Packing & Shipping

| | |
|---|---|
| Readability force [d] (N) | 1 d |
| Dimensions packaging (W×D×H) | 255×200×70 mm |
| Net weight | 0,43 kg |
| Shipping method | Parcel service |
| Net weight approx. | 0,45 kg |
| Gross weight approx. | 0,60 kg |
| Shipping weight | 0,7 kg |

## 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 (verification) | 969-517 |

## Pictograms

**STANDARD**

CAL EXT | UNIT | BATT | DMS | 1 DAY

**OPTION**

MULTI | DAkkS +3 DAYS