## KERN EFS 2000-0S05



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



| 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]        | 2200 g                            |
| Readability [d]                | 1 g                               |
| Resolution                     | 2.200                             |
| Linearity                      | ± 3 g                             |
| Linearisation in dots          | 2                                 |
| Reproducibility                | 1 g                               |
| Default unit                   | g                                 |
| Units                          | g<br>gn<br>dwt<br>ozt<br>Ib<br>oz |
| Adjustment options             | Adjusting with external weight    |
| Recommended adjusting weight   | 2 kg (M1)                         |
| Possible calibration points    | 2 kg                              |
| Stabilization time             | 2,5 s                             |
| Warm-up time                   | 10 min                            |
| Eccentric loading at 1/3 [Max] | 3 g                               |
| Maximum creep (15 minutes)     | 2 g                               |
| Maximum creep (30 minutes)     | 4 g                               |
|                                |                                   |

| ApprovalCE mark✓DisplayLCDDisplay typeLCDDisplay typeLCDDisplay screen size55×23 mmDisplay backlightnoDisplay digit height15 mmLanguages of the user interfaceSymbol languageConstruction145×205×46,5 mmDimension housing (W×D×H)145×205×46,5 mmDimension weighing platform130×125×10 mmMaterial display housingPlasticsMaterial display housingPlasticsMaterial display housingplasticMaterial platformPlasticsDimensions weighing surface<br>(W×D)134×127 mmFunctions3 minNumber of keys for operation2Auto-off interval(s) in battery<br>mode/rechargeable battery mode3 min<br>30 secCapacity display✓Tare functionmanual (multi)IP protection - complete device-Power Supply100 V - 240 V AC, 50 /<br>60 HzInput voltage power supply /<br>power [Max]60 HzInput voltage device / power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supply8atteryBattery4×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery voltage30 V                      |                                 |                 |
|---|---------------------------------|-----------------|
| DisplayLCDDisplay typeLCDDisplay screen size55×23 mmDisplay backlightnoDisplay digit height15 mmLanguages of the user interfaceSymbol languageConstructionDimension housing (W×D×H)145×205×46,5 mmDimension housing (W×D×H)130×125×10 mmMaterial display housingPlasticsMaterial housingPlasticsMaterial housingplasticMaterial weighing plateplasticMaterial housingPlasticsDimensions weighing surface134×127 mm(W×D)134×127 mmFunctionsSumple for operationAuto-off interval(s) in battery<br>mode/rechargeable battery mode11 <min<br></min<br> 30 secCapacity display✓Tare functionmanual (multi)IP protection - complete device-Power Supply100 V - 240 V AC, 50 /<br>60 HzInput voltage power supply /<br>power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyBatteryBattery4×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery / accumulator typePad + Spring   | Approval                        |                 |
| Display typeLCDDisplay typeLCDDisplay screen size55×23 mmDisplay backlightnoDisplay digit height15 mmLanguages of the user interfaceSymbol languageConstructionDimension housing (W×D×H)Dimension housing (W×D×H)145×205×46,5 mmDimension weighing platform<br>(W×D×H)130×125×10 mmMaterial display housingPlasticsMaterial housingplasticMaterial housingplasticMaterial platform134×127 mmWxD)134×127 mmFunctions2Number of keys for operation2Auto-off interval(s) in battery<br>mode/rechargeable battery modeoff<br>1 min<br>30 secCapacity display✓Tare functionmanual (multi)IP protection - complete device-Power Supply100 V - 240 V AC, 50 /<br>60 HzInput voltage power supply / power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyBatteryBattery4×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery / accumulator typePad + Spring  | CE mark                         | $\checkmark$    |
| Display type LCD<br>Display screen size 55×23 mm<br>Display backlight no<br>Display digit height 15 mm<br>Languages of the user interface Symbol language<br>Construction<br>Dimension housing (W×D×H) 145×205×46,5 mm<br>Dimensions weighing platform 130×125×10 mm<br>(W×D×H) 130×125×10 mm<br>Material display housing Plastics<br>Material housing plate plastic<br>Material platform Plastics<br>Dimensions weighing surface 134×127 mm<br>Functions<br>Functions<br>Number of keys for operation 2<br>Auto-off interval(s) in battery off<br>node/rechargeable battery mode 1 min<br>30 sec<br>Capacity display √<br>Tare function manual (multi)<br>IP protection - complete device -<br>Power Supply<br>Input voltage power supply / 100 V - 240 V AC, 50 /<br>power [Max] 5,9V, 1A<br>Plug-in power supply type Power adapter<br>Supplied power supply Battery<br>Battery 4×1.5 V AA<br>Battery / accumulator type Alkali(-Manganese)<br>Battery connection Pad + Spring | Display                         |                 |
| Display typeLCDDisplay screen size55×23 mmDisplay backlightnoDisplay digit height15 mmLanguages of the user interfaceSymbol languageConstructionDimension housing (W×D×H)Dimension weighing platform<br>(W×D×H)145×205×46,5 mmDimension weighing platform<br>(W×D×H)130×125×10 mmMaterial display housingPlasticsMaterial housingplasticMaterial housingplasticMaterial platformPlasticsDimensions weighing surface<br>(W×D)134×127 mmPinctions2Sumber of keys for operation2Auto-off interval(s) in battery<br>mode/rechargeable battery modeoff<br>1 min<br>30 secCapacity display✓Tare functionmanual (multi)IP protection - complete device-Power Supply100 V - 240 V AC, 50 /<br>60 HzInput voltage power supply /<br>power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyBatteryBattery4×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery / accumulator typeAlkali(-Manganese)Battery / accumulator typePad + Spring                   | Display type                    | LCD             |
| Display screen size55×23 mmDisplay backlightnoDisplay digit height15 mmLanguages of the user interfaceSymbol languageConstructionDimension housing (W×D×H)Dimensions weighing platform<br>(W×D×H)Material display housingPlasticsMaterial display housingplasticMaterial housingplasticMaterial platformPlasticsMaterial platformPlasticsMaterial platformPlasticsMaterial platformPlasticsDimensions weighing surface<br>(W×D)134×127 mmSumeSumeNumber of keys for operation2Auto-off interval(s) in battery<br>mode/rechargeable battery modeoff<br>1 min<br>30 secCapacity display✓Tare functionmanual (multi)IP protection - complete device-Power Supply100 V - 240 V AC, 50 /<br>60 HzInput voltage power supply /<br>power [Max]5,9V, 1AInput voltage device / power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyBatteryBattery4×1.5 V AABatteryAlkali(-Manganese)Battery / accumulator typeAlkali(-Manganese)Battery connectionPad + Spring   |                                 | LCD             |
| Display backlightnoDisplay digit height15 mmLanguages of the user interfaceSymbol languageConstructionDimension housing (W×D×H)145×205×46,5 mmDimensions weighing platform<br>(W×D×H)130×125×10 mmMaterial display housingPlasticsMaterial display housingplasticMaterial housingplasticMaterial platformPlasticsMaterial platformPlasticsMaterial platformPlasticsDimensions weighing surface<br>(W×D)134×127 mmFunctionsSumbol surface<br>(M×D)Number of keys for operation2Auto-off interval(s) in battery<br>mode/rechargeable battery modeoff<br>1 min<br>30 secCapacity display✓Tare functionmanual (multi)IP protection - complete device<br>power [Max]100 V - 240 V AC, 50 /<br>60 HzInput voltage power supply /<br>power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyBatteryBattery4×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery connectionPad + Spring  |                                 | 55×23 mm        |
| Display digit height15 mmLanguages of the user interfaceSymbol languageConstructionDimension housing (W×D×H)145×205×46,5 mmDimensions weighing platform<br>(W×D×H)130×125×10 mmMaterial display housingPlasticsMaterial display housingplasticMaterial housingplasticMaterial platformPlasticsMaterial platformPlasticsDimensions weighing surface<br>(W×D)134×127 mmFunctions3 min<br>offAuto-off interval(s) in battery<br>mode/rechargeable battery modeoff1 min<br>30 sec30 secCapacity display✓Tare functionmanual (multi)IP protection - complete device<br>power [Max]100 V - 240 V AC, 50 /<br>60 HzInput voltage power supply /<br>power [Max]100 V - 240 V AC, 50 /<br>60 HzInput voltage device / power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyAlkali(-Manganese)BatteryA×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery connectionPad + Spring  |                                 | no              |
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| Dimensions weighing platform<br>(W×D×H)130×125×10 mmMaterial display housingPlasticsMaterial display housingplasticMaterial housingplasticMaterial weighing plateplasticMaterial platformPlasticsDimensions weighing surface<br>(W×D)134×127 mmFunctionsNumber of keys for operation2Auto-off interval(s) in battery<br>mode/rechargeable battery modeoff<br>1 min<br>30 secCapacity display✓Tare functionmanual (multi)IP protection - complete device-Power Supply100 V - 240 V AC, 50 /<br>60 HzInput voltage power supply /<br>power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyAttery<br>BatteryBattery / accumulator typeAklai(-Manganese)Battery connectionPad + Spring   | Construction                    |                 |
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| Material display housingPlasticsMaterial housingplasticMaterial weighing plateplasticMaterial platformPlasticsDimensions weighing surface<br>(W×D)134×127 mmFunctionsRumber of keys for operationAuto-off interval(s) in battery<br>mode/rechargeable battery modeCapacity display✓Tare functionmanual (multi)IP protection - complete device-Power SupplyInput voltage power supply /<br>power [Max]Input voltage device / power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyBatteryBatteryAkali(-Manganese)Battery / accumulator typePad + Spring   | 0 01                            | 130×125×10 mm   |
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| Material platformPlasticsDimensions weighing surface<br>(W×D)134×127 mmFunctions134×127 mmFunctions2Number of keys for operation2Auto-off interval(s) in battery<br>mode/rechargeable battery mode3 min<br>off<br>1 min<br>30 secCapacity display✓Tare functionmanual (multi)<br>IP protection - complete devicePower Supply100 V - 240 V AC, 50 /<br>60 HzInput voltage power supply /<br>power [Max]100 V - 240 V AC, 50 /<br>60 HzInput voltage device / power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyBatteryBattery / accumulator typeAlkali(-Manganese)Battery connectionPad + Spring   | Ŭ                               | •               |
| Dimensions weighing surface<br>(W×D)134×127 mmFunctionsNumber of keys for operation2Auto-off interval(s) in battery<br>mode/rechargeable battery mode3 min<br>off<br>1 min<br>30 secCapacity display✓Tare functionmanual (multi)<br>IP protection - complete device<br>-Power Supply100 V - 240 V AC, 50 /<br>60 HzInput voltage power supply /<br>power [Max]100 V - 240 V AC, 50 /<br>60 HzInput voltage device / power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyBatteryBattery4×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery connectionPad + Spring  |                                 |                 |
| (W×D)134×127 mmFunctionsNumber of keys for operation2Auto-off interval(s) in battery<br>mode/rechargeable battery mode3 min<br>off1 min<br>30 sec1 min<br>30 secCapacity display✓Tare functionmanual (multi)IP protection - complete device-Power SupplyInput voltage power supply /<br>power [Max]100 V - 240 V AC, 50 /<br>60 HzInput voltage device / power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyBatteryBattery4×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery connectionPad + Spring   | •                               |                 |
| Number of keys for operation2Auto-off interval(s) in battery<br>mode/rechargeable battery mode3 min<br>offmode/rechargeable battery mode1 min<br>30 secCapacity display✓Tare functionmanual (multi)IP protection - complete device-Power SupplyInput voltage power supply /<br>power [Max]100 V - 240 V AC, 50 /<br>60 HzInput voltage device / power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyBatteryBattery4×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery connectionPad + Spring  |                                 | 134×127 mm      |
| Auto-off interval(s) in battery<br>mode/rechargeable battery mode3 min<br>off<br>1 min<br>30 secCapacity display✓Tare functionmanual (multi)IP protection - complete device-Power SupplyInput voltage power supply /<br>power [Max]100 V - 240 V AC, 50 /<br>60 HzInput voltage device / power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyBatteryBattery4×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery connectionPad + Spring   | Functions                       |                 |
| Auto-off interval(s) in battery<br>mode/rechargeable battery modeoff<br>1 min<br>30 secCapacity display✓Tare functionmanual (multi)IP protection - complete device-Power SupplyInput voltage power supply /<br>power [Max]Input voltage device / power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyBatteryBattery4×1.5 V AABattery / accumulator typePad + Spring   | Number of keys for operation    | 2               |
| mode/rechargeable battery mode1 min<br>30 secCapacity display✓Tare functionmanual (multi)IP protection - complete device-Power SupplyInput voltage power supply /<br>power [Max]100 V - 240 V AC, 50 /<br>60 HzInput voltage device / power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyBatteryBattery4×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery connectionPad + Spring  |                                 | 3 min           |
| 30 secCapacity display✓Tare functionmanual (multi)IP protection - complete device-Power SupplyInput voltage power supply /<br>power [Max]100 V - 240 V AC, 50 /<br>60 HzInput voltage device / power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyBatteryBattery4×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery connectionPad + Spring   |                                 | off             |
| Capacity display✓Tare functionmanual (multi)IP protection - complete device-Power Supply-Input voltage power supply /<br>power [Max]100 V - 240 V AC, 50 /<br>60 HzInput voltage device / power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyBatteryBattery4×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery connectionPad + Spring  | mode/rechargeable battery mode  |                 |
| Tare functionmanual (multi)IP protection - complete device-Power Supply100 V - 240 V AC, 50 /<br>60 HzInput voltage power supply /<br>power [Max]100 V - 240 V AC, 50 /<br>60 HzInput voltage device / power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyBatteryBattery4×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery connectionPad + Spring   |                                 |                 |
| IP protection - complete device -   Power Supply 100 V - 240 V AC, 50 / 60 Hz   Input voltage power supply / power [Max] 60 Hz   Input voltage device / power [Max] 5,9V, 1A   Plug-in power supply type Power adapter   Supplied power supply Battery   Battery 4×1.5 V AA   Battery / accumulator type Alkali(-Manganese)   Battery connection Pad + Spring   |                                 | -               |
| Power Supply100 V - 240 V AC, 50 /<br>60 HzInput voltage power supply /<br>power [Max]100 V - 240 V AC, 50 /<br>60 HzInput voltage device / power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyBatteryBattery4×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery connectionPad + Spring  |                                 | manual (multi)  |
| Input voltage power supply /<br>power [Max]100 V - 240 V AC, 50 /<br>60 HzInput voltage device / power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyBatteryBattery4×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery connectionPad + Spring   | IP protection - complete device | -               |
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| Input voltage device / power [Max]5,9V, 1APlug-in power supply typePower adapterSupplied power supplyBatteryBattery4×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery connectionPad + Spring   |                                 |                 |
| Plug-in power supply typePower adapterSupplied power supplyBatteryBattery4×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery connectionPad + Spring   |                                 |                 |
| Supplied power supplyBatteryBattery4×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery connectionPad + Spring   |                                 |                 |
| Battery4×1.5 V AABattery / accumulator typeAlkali(-Manganese)Battery connectionPad + Spring   |                                 | •               |
| Battery / accumulator typeAlkali(-Manganese)Battery connectionPad + Spring  |                                 | ,               |
| Battery connection Pad + Spring   | •                               |                 |
|   | , ,,                            |                 |
| Dallery VUILage 3U V  | •                               |                 |
|   |                                 |                 |
| Battery operating time 200 h  | Battery operating time          | 200 n           |
| Environmental conditions  | Environmental conditions        |                 |
| Humity of environment [Max] 80 %  | Humity of environment [Max]     | 80 %            |
| Ambient temperature [Min] 10 °C   |                                 |                 |

## KERN EFS 2000-0S05



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

| Ambient temperature [Max]                                     | 40 °C          |
|---|----------------|
| Packing & Shipping  |                |
| Readability force [d] (N)                                     | 1 d            |
| Dimensions packaging (W×D×H)                                  | 255×200×70 mm  |
| Net weight  | 0,52 kg        |
| Shipping method   | Parcel service |
| Net weight approx.  | 0,55 kg        |
| Gross weight approx.  | 3,0 kg         |
| Shipping weight   | 3 kg           |
| Services (optional)   |                |
| Article number for adjustment at the location of installation | 961-247S05     |
| Article number for DAkkS calibration                          | 963-127S05     |
| Article number for certificate of conformity (verification)   | 969-517        |
| Pictograms  |                |

## STANDARD



OPTION

