# SAUTER **FS 2-5KRY1**

Ready-assembled set consisting of premium force gauge FS 2 and load cell CR 500-1Y1 for tensile and compressive force measurements



**Date of creation: 24.10.2026**

| Category | |
|---|---|
| Brand | Sauter |
| Product category | Force measurement |
| Product group | Force gauge set |
| Product family | FS RY1 |

| Measuring System | |
|---|---|
| Directions of force | tension<br>compression |
| Measuring range force [Max] (N) | 5 kN |
| Readability force [d] (N) | 1 N |
| Measuring head measuring frequency | 1000 Hz |
| Number of platforms / channels | 2 |
| Default unit | N |

| Display | |
|---|---|
| Display type | TFT, color |
| Display resolution | 320×480 |
| Languages of the user interface | German<br>English<br>French<br>Spanish<br>Italian |

| Construction | |
|---|---|
| Dimensions load cell (cylindrical) | 105×37 mm |
| Material housing | plastic |
| Material display housing | plastic |
| Mounting - force dissipation | 8 × through hole Ø 6,5 mm |
| Mounting - force application | Threaded hole M16 × 1,5 |

| Functions | |
|---|---|
| IP protection - load cell | IP68 |
| Peak function | ✓ |
| Statistic function | ✓ |
| Auto-off interval(s) in battery mode/rechargeable battery mode | selectable |
| Memory function | ✓ |

| Interface | |
|---|---|
| Interfaces | USB-Device |

| Power Supply | |
|---|---|
| Supplied power supply | Accu & Power supply |
| Power supply type | USB including power supply |
| Plug-in power supply / adapter for countries - included with the delivery | EURO |
| Plug-in power supply / adapter for countries - optional | UK |
| Input voltage power supply / power [Max] | 100 V - 240 V, 50 / 60 Hz |
| Input voltage device / power [Max] | 5 V, 1 A |
| Power socket for mains adapter | USB-C |
| Battery / accumulator type | Li-Ion |
| Battery connection | 2-pole tub connector |
| Battery capacity | 2.400 mAh |
| Battery voltage | 3,7 V |
| Battery – Number of cells | 1 |
| Battery – Construction | Inseparable connection of cells (pack) |
| Battery capacity (Wh) | 8,88 Wh |
| Battery – Lithium content | 720 mg |
| Rechargeable battery | 3,7V, 2400mAh |
| Rechargeable battery operating time - backlight on | 5 h |
| Rechargeable battery operating time - backlight off | 8 h |
| Rechargeable battery charging time | 8 h |
| Battery/Accu connected | fixed electrical connection, not insulated |

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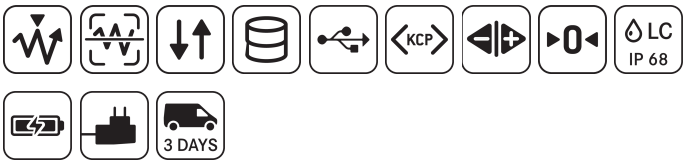
| Services (optional) | |
|---|---|
| Article number for DAkkS calibration (tensile force) | 963-161 |
| Article number for DAkkS calibration (compressive force) | 963-263 |
| Article number for DAkkS calibration (tensile force/ compressive force) | 963-363 |

| Packing & Shipping | |
|---|---|
| Delivery time | 3 d |
| Dimensions packaging (W×D×H) | 410×270×240 mm |
| Shipping method | Parcel service |
| Net weight approx. | 2,0 kg |
| Gross weight approx. | 3,0 kg |
| Shipping weight | 5,3 kg |
| Shipping volume weight | 5,3 kg |

| Product information | |
|---|---|
| GTIN/EAN number | 4045761358430 |
| Trade number | 90248000 |
| Warranty Time | 36 mon |
| REACH classification | no prohibited substances |

## Pictograms

**STANDARD**




**OPTION**

