

# SAUTER FS 2-1KSP1

Ready-assembled set consisting of premium force gauge FS 2 and external "S" measuring cell CS 100-3P1 for tensile and compressive force measurements



## Functions

|  |            |
|--|------------|
| IP protection - load cell                                      | IP67       |
| Peak function  | ✓          |
| Memory function  | ✓          |
| Statistic function   | ✓          |
| Auto-off interval(s) in battery mode/rechargeable battery mode | selectable |

## 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 |

## Approval

|         |   |
|---------|---|
| CE mark | ✓ |
|---------|---|

## Category

|                  |                   |
|------------------|-------------------|
| Brand            | Sauter            |
| Product category | Force measurement |
| Product group    | Force gauge set   |
| Product family   | FS SP1            |

## Measuring System

|                                    |                        |
|------------------------------------|------------------------|
| Measuring range force [Max] (N)    | 1 kN                   |
| Readability force [d] (N)          | 0,2 N                  |
| Measuring head measuring frequency | 1000 Hz                |
| Directions of force                | tension<br>compression |
| Default unit                       | N                      |
| Number of platforms / channels     | 2                      |

## 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         | 50,8×76,2×19 mm   |
| Material housing             | plastic           |
| Material display housing     | plastic           |
| Mounting - force dissipation | Threaded hole M10 |
| Mounting - force application | Threaded hole M10 |

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**KERN**

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## Services (optional)

|   |         |
|---|---------|
| Article number for DAkkS calibration (tensile force)                    | 963-162 |
| Article number for DAkkS calibration (compressive force)                | 963-262 |
| Article number for DAkkS calibration (tensile force/ compressive force) | 963-362 |

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Delivery time                | 3 d            |
| Dimensions packaging (W×D×H) | 320×290×180 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 0,90 kg        |
| Gross weight approx.         | 2,0 kg         |
| Shipping weight              | 3,3 kg         |

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761358461            |
| Trade number         | 90248000                 |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD



### OPTION

