

# KERN FS 2-50KSP1

**KERN**

Ready-assembled set consisting of premium force gauge FS 2 and external "S" measuring cell CS 5000-3P1 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        |
| Plug-in 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                   |
| Battery / accumulator type  | Li-Ion                     |
| Battery connection  | 2-pole tub connector       |
| Battery capacity  | 2.400 mAh                  |
| Battery voltage   | 3,7 V                      |
| 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                        |

## Approval

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

## Services (optional)

|   |         |
|---|---------|
| Article number for factory calibration (tensile force)                    | 961-165 |
| Article number for factory calibration (compressive force)                | 961-265 |
| Article number for factory calibration (tensile force/ compressive force) | 961-365 |

## Category

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

## Measuring System

|                                    |                        |
|------------------------------------|------------------------|
| Measuring range force [Max] (N)    | 50 kN                  |
| Readability force [d] (N)          | 10 N                   |
| Measuring head measuring frequency | 1000 Hz                |
| Default unit                       | N                      |
| Number of platforms / channels     | 2                      |
| Directions of force                | tension<br>compression |

## 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         | 76,2×101,6×25,4 mm      |
| Material housing             | plastic                 |
| Material display housing     | Plastics                |
| Mounting - force dissipation | Threaded hole M20 × 1,5 |
| Mounting - force application | Threaded hole M20 × 1,5 |

# KERN FS 2-50KSP1



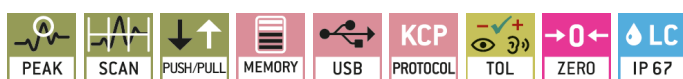
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## Packing & Shipping

|                      |                |
|----------------------|----------------|
| Delivery time        | 3 d            |
| Shipping method      | Parcel service |
| Net weight approx.   | 1,8 kg         |
| Gross weight approx. | 2,8 kg         |
| Shipping weight      | 2,61 kg        |

## Pictograms

### STANDARD



### OPTION

