SAUTER **FS 2-50KSP1**

Ready-assembled set consisting of premium force gauge FS 2 and external "S" measuring cell CS 5000-3P1 for tensile and compressive force measurements

Date of creation: 03.10.2026

Category

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

Measuring System

Directions of force	tension compression
Measuring range force [Max] (N)	50 kN
Readability force [d] (N)	10 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 English French Spanish Italian

Construction

Dimensions load cell	76,2×101,6×25,4 mm
Material housing	plastic
Material display housing	plastic
Mounting - force dissipation	Threaded hole M20 × 1,5
Mounting - force application	Threaded hole M20 × 1,5

Functions

IP protection - load cell	IP67
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)	963-165
Article number for DAkkS calibration (compressive force)	963-265
Article number for DAkkS calibration (tensile force/ compressive force)	963-365
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

Packing & Shipping

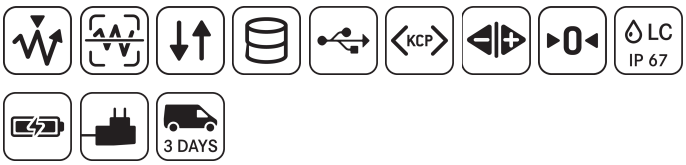
Delivery time	3 d
Dimensions packaging (W×D×H)	410×270×240 mm
Shipping method	Parcel service
Net weight approx.	1,8 kg
Gross weight approx.	2,8 kg
Shipping weight	5,3 kg
Shipping volume weight	5,3 kg

Product information

GTIN/EAN number	4045761358508
Trade number	90248000
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION