SAUTER **FS 2-500**

Premium force gauge with integrated load cell and connection possibility for up to 4 external load cells

Date of creation: 03.10.2026

Category

Brand	Sauter
Product category	Force measurement
Product group	Digital force gauge
Product family	FS

Measuring System

Measuring range force [Max] (N)	500 N
Readability force [d] (N)	0,1 N
Measuring head measuring frequency	1000 Hz
Overload protection (% of [Max])	150%
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

Dimension housing (W×D×H)	71×31×180 mm
Dimensions completely mounted (W×D×H)	71×31×180 mm
Dimension display device (W×D×H)	71×31×180 mm
Material housing	plastic
Material display housing	plastic
Mounting - force application	External thread M6

Functions

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 – Individual weight	44 g
Battery – Total weight	44 g
Battery – Construction	Inseparable connection of cells (pack)
Battery capacity (Wh)	8,88 Wh
Battery – Lithium content	720 mg
Battery – Tests passed UN 38.3	✓
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)	963-261
Article number for DAkkS calibration (tensile force/ compressive force)	963-361
Article number for factory calibration (tensile force)	961-161
Article number for factory calibration (compressive force)	961-261
Article number for factory calibration (tensile force/ compressive force)	961-361

Packing & Shipping

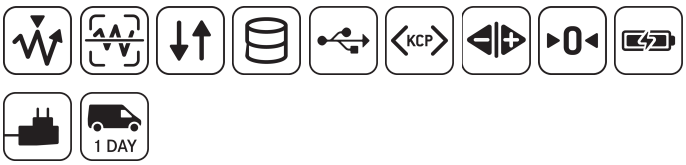
Delivery time	1 d
Dimensions packaging (W×D×H)	280×185×90 mm
Shipping method	Parcel service
Net weight approx.	0,40 kg
Gross weight approx.	1,4 kg
Shipping weight	1,25 kg
Shipping volume weight	0,9 kg

Product information

GTIN/EAN number	4045761237018
Trade number	90248000
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION