

PRODUCT BROCHURE

SAUTER FL 2K

Date: 23.04.2025

ENGLISH



Powerful digital force gauge with graphic assisted display for tensile and compressive force measurements with external load cell

CONTACT

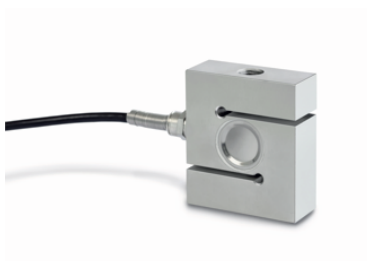
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PRODUCT SHOWCASE



DESCRIPTION

- Premium force gauge with external measuring cell, tension loops included with delivery
- Turnable display with backlight
- Peak-Hold function to capture the peak value or Track function for continuous display of measurement
- Metal housing for durable use in harsh environmental conditions
- Can be mounted on all SAUTER test stands starting 1 kN
- Capacity display: A bar lights up to show how much of the measuring range is still available
- Measuring with tolerance range (limit-setting function): Upper and lower limit adjustable, in pull and push direction. The process is supported by a visual signal
- Internal memory for up to 500 measurement values
- Continuous analogue output: Linear voltage signal in dependence to the load (-2 to +2V)
- USB data interface, as standard
- Selectable measuring units: N, kN, kgf, ozf, lbf
- Delivered in a robust carrying case

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	FL 2K
Model-Serie	FL
Assortment	Sauter
Product Type	Force measurement
Product group	Digital force-measuring devices (external sensor)
Product usage type	Main article
EAN code (Model)	4045761138919
Customs tariff number	90248000

Technical data - Primary

Max. Force	2,5 kN
Readability	1 N

Technical data - Construction

Dimension housing (W×D×H)	170×75×30 mm
Material housing	aluminium
Mounting thread	threaded hole M12

Technical data - Display

Display type	LCD
Display digit height	8.5 mm
DisplayReverse	yes

Technical data - Power supply

Power supply	Battery & Power supply
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Battery type NiMH

Operating time (Display off) 10 h

Operating time (Display on) 8 h

Mains adapter/adaptor included CH;EURO

Protection Class no protection class

Technical data - Measuring system

Units N

Tolerance (% from Max.) 0.2%

Force direction compression;tension

Technical data - Functions

Hold-Function yes

Peak-Function yes

Limit value (Min - Max) yes

Interface Analog (0 +/-2V);RS-232 serienmäßig;USB-Device

Technical data - Environmental conditions

Maximum operating temperature 35 °C

Minimum storage temperature 40 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H) 373×324×113 mm

Gross weight 1.6 kg

Net weight 0.55 kg

Shipping method	Parcel service
UN number	Ni-MH (UN 3496, Packing Instruction #0, Not Restricted as per Special Provision A199)
Packaging component - by weight - cardboard	935 g
Delivery time	1 d

Technical data - Counting data

Memory	yes
Value memory - number of groups	1
Value memory - number of cells (per group)	500

Optional Services

DAkkS calibration - push/pull	963-362
DAkkS calibration - push only	963-262
DAkkS calibration - pull only	963-162

FUNCTIONS

Standard	
    	  
Option	
 	

ACCESSORIES

Model	Description
FL-A04	Interface cable FL-A04
RFL-3001	LCD Display RFL-3001
FL-A03	Removable battery FL-A03
RFL-4001	Display overlay RFL-4001
FL-A01	Interface cable FL-A01

SERVICES

Model	Description
961-162	Factory calibration KERN 961-162
961-262	Factory calibration KERN 961-262
963-362	DAkkS Calibration KERN 963-362
970-102	Warranty extension KERN (+2 years) 970-102
963-162	DAkkS Calibration KERN 963-162
961-362	Factory calibration KERN 961-362
963-262	DAkkS Calibration KERN 963-262

SPARE PARTS

Model	Description
FL-A01	Interface cable FL-A01
FL-A03	Removable battery FL-A03
DB-A01	Power Adapter KERN DB-A01
FL-A10	Power Adapter KERN FL-A10
RFL-2001	Main PCB RFL-2001
RFL-1014	Plug SAUTER RFL-1014

SOFTWARES

Model	Description
AFH FD	Data Transfer Software SAUTER AFH FD
AFH LD	Data Transfer Software SAUTER AFH LD
AFH FAST	Data Transfer Software SAUTER AFH FAST

RELATED ARTICLES DATA

Model name	Max. Force	Readability
FL 2K	2,5 kN	1 N
FL 5K	5 kN	2 N
FL 10K	10 kN	5 N
FL 20K	20 kN	10 N