

Robust Push/Pull force gauge for simple measurement

Features

- Turnable display: automatic direction identification
- Secure operability due to ergonomic design
 Peak-Hold function to capture peaks (Value is "frozen" for approx. 10 seconds) or Track function mode for a continuous measurement indication
- · Selectable measuring units: N, lb, kg, oz
- Auto-Power-Off
- II Standard attachments: as shown below, extension rod: 90 mm
- · Can be mounted on all SAUTER test stands

Technical data

- Precision: 0,5 % of [Max]
- Internal measuring frequency: 1000 Hz
- Overload protection: 200 % of [Max]
- Dimensions W×D×H 195×82×35 mm
- Thread: M8
- Ready for use: Batteries included, 6×1,5 V AA
- Net weight approx. 0,72 kg

Accessories

With one of the two optional attachments for tensile strength testing, the SAUTER FK can become a tensiometer for testing the material tension characteristics of cables, threads, wires, twine etc. (up to Ø 5 mm):

- Tensiometer attachment with Safe-insert function: Pull and release to insert the running cable in between the rolls, for tensile strength testing up to 250 N, aluminium attachment, SAUTER FK-A01
- Tensiometer kit for high-capacity tensile strength testing up to 1000 N, steel attachment and steel rollers, rollers cannot be adjusted, SAUTER FK-A02
- **Standard attachments**, SAUTER AC 430
- Further accessory see www.sauter.eu and page 24 et seqq.

STANDARD							OPTION	
		→ 0 ← ZER0	BATT	230 V	1 DAY	2 _{YEARS}	ISO	
TEAR	, controlla	LENO	DATT	2301	IDAI		THURID	

Model	Measuring range	Readout		Option Factory calibration certificate					
				Tensile force		Compressive force		Tensile/Compressive force	
	[Max]	[d]							
SAUTER	N	Ν	K	KERN		KERN		KERN	
FK 10.	10	0,005	96	1-1610		961-2610		961-3610	
FK 25.	25	0,01	96	1-1610		961-2610		961-3610	
FK 50.	50	0,02	96	1-1610		961-2610		961-3610	
FK 100.	100	0,05	96	1-1610		961-2610		961-3610	
FK 250.	250	0,1	96	1-1610		961-2610		961-3610	
FK 500.	500	0,2	96	1-1610		961-2610		961-3610	
FK 1K.	1000	0,5	96	1-1620		961-2620		961-3620	







SAUTER Pictograms:



Adjusting program (CAL): For quick setting of the balance's accuracy. External adjusting weight required.



Calibration block:

standard for adjusting or correcting the measuring device.



Peak hold function: capturing a peak value within a measuring process.

continuous capture and display



of measurements.

Scan mode:



Push and Pull: the measuring device can capture tension and compression forces.



Length measurement: captures the geometric dimensions of

a test object or the movement during a test process.



Focus function:

increases the measuring accuracy of a device within a defined measuring range.



Internal memory: to save measurements in the device memory.



Data interface RS-232 bidirectional, for connection of printer and PC.



Data interface USB:

To connect the balance to a printer, PC or other peripheral devices.



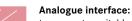
Data interface Infrared: To transfer data from the balance to a

printer, PC or other peripheral devices.



Control outputs

(optocoupler, digital I/O): to connect relays, signal lamps, valves, etc.



to connect a suitable peripheral device for ANALOG analogue processing of the measurements.



using the saved values, the device STATISTIC calculates statistical data, such as average value, standard deviation etc.



PC Software: to transfer the measurements from the device to a PC.



a printer can be connected to the PRINT device to print out the measurements.



GLP/ISO record keeping: of measurements with date, time and serial number. Only with SAUTER printers.



Measuring units:

Weighing units can be switched to UNIT e.g. non-metric at the touch of a key. Please refer to website for more details.

> Measuring with tolerance range: Upper and lower limiting can be programmed individually, e.g. for sorting and dosing.



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TOL

7FRO. Resets the display to "0".



Battery operation: Ready for battery operation.

The battery type is specified for each device.



Rechargeable battery pack: rechargeable set.



Mains adapter:

230V/50Hz in standard version for EU. On request GB, AUS or USA version available

The mechanical movement is carried out



Power supply:



Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS or USA on request.



Motorised drive: by a electric motor.

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TEPPER	

Motorised drive: The mechanical movement is carried out

by a synchronous motor (stepper).

FAST-MOVE



the total length of travel can be covered by a single lever movement.



DAkkS calibration possible:

The time required for DAkkS calibration is shown in days in the pictogram.



Factory calibration:

The time required for factory calibration is specified in the pictogram.



Package shipment:

The time required for internal shipping preparations is shown in days in the pictogram.



VARRANTY

Pallet shipment:

The time required for internal shipping preparations is shown in days in the pictogram.



The warranty period is shown in the pictogram.

Your SAUTER specialist dealer:

