







# Robust Push/Pull force gauge for simple measurement

#### Features

- Turnable display: automatic direction identification
- Secure operability due to ergonomic design
- Real time or Peak Hold Mode to observe transcients or capture peaks
- Selectable measuring units: N, lb, kg, oz
- Auto-Power-Off
- 11 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 WxDxH 195x82x35 mm
- Thread: M8
- Net weight approx. 0,72 kg

#### Accessories

2 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, rollers can be adjusted towards the inside, 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
- Further accessory see www.sauter.eu and page 21 et seqq.

















Model	Measuring range	Readout	Option ISO	Option ISO Calibration Certificate		
			Tension	Compression		
	[Max]	[d]	ISO	ISO		
SAUTER	N	N	KERN	KERN		
FK 10.	10	0,005	961-161	961-261		
FK 25.	25	0,01	961-161	961-261		
FK 50.	50	0,02	961-161	961-261		
FK 100.	100	0,05	961-161	961-261		
FK 250.	250	0,1	961-161	961-261		
FK 500.	500	0,2	961-161	961-261		
FK 1K.	1000	0,5	961-162	961-262		

# **SAUTER Pictograms:**





#### Adjusting program (CAL):

For quick setting of the balance's accuracy. External adjusting weight required.



SWITCH

#### Data interface Infrared:

(optocoupler, digital I/O):

To transfer data from the balance to a printer, PC or other peripheral devices.



#### **Battery operation:**

Ready for battery operation. The battery type is specified for each device.



### Rechargeable battery pack:

rechargeable set.



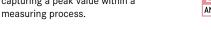
#### Calibration block:

standard for adjusting or correcting the measuring device.



#### Peak hold function:

capturing a peak value within a





#### Analogue interface:

Control outputs

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

to connect relays, signal lamps, valves, etc.



ACCU

#### Mains adapter:

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



#### Scan mode:

Push and Pull:

continuous capture and display of measurements.



#### Statistics:

PC Software:

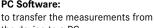
the device to a PC.

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



### Power supply:

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



or USA on request.



#### Motorised drive:

The mechanical movement is carried out by a motorised drive.



#### Length measurement:

and compression forces.

captures the geometric dimensions of a test object or the movement during a test process.

the measuring device can capture tension



SOFTWARE

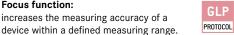
#### Printer:

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



#### Fast-Move:

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





### GLP/ISO record keeping:

of measurements with date, time and serial number. Only with SAUTER printers.



### ISO Calibration:

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



FOCUS

#### Internal memory:

Focus function:

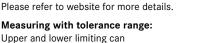
to save measurements in the device memory.



TOL

#### Measuring units:

Weighing units can be switched to e.g. non-metric at the touch of a key.





# in days in the pictogram.

Package shipment:

Pallet shipment: The time required for internal shipping preparations is shown

The time required for internal

shipping preparations is shown



1 DAY

## in days in the pictogram.

Warranty: The warranty period is shown in the pictogram.



# Data interface RS-232:

bidirectional, for connection of printer and PC.



# ZERO:

Resets the display to "0".

be programmed individually,

e.g. for sorting and dosing.



#### Data interface USB:

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

# Your SAUTER specialist dealer: