

Premium force measuring instrument with graphic-assisted display

Features

- Turnable display with backlight
- **Peak-Hold function** to capture peaks (measurement result will be "frozen" for a short time) or **Track function** mode for a continuous measurement indication (period of time approx. 10 s)
- **Metal housing** for durable usage in harsh environmental conditions
- Can be mounted on all SAUTER test stands
- **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 limiting can be programmed individually, in pull and push direction. The process is supported by an audible and visual signal.
- Internal memory for up to 500 measurement values
- Continuous analogue output: Linear voltage signal in dependence to the load (-2 to +2V)

- Delivered in a robust carrying case
- SAUTER FL 2K: with external sensor, Tension loops and pressure plates are included in delivery
- Is Standard attachments: as shown above (not for FL 2K)
- Selectable measuring units: N, kN, kg, oz, lbf

Technical data

- Internal measuring frequency: 1000 Hz
- Precision: 0,2 % of [Max]
- Overload protection: 120 % of [Max]
- Dimensions W×D×H 175×75×30 mm
- Thread: M6
- Dimensions load cell W×D×H 76,2×51×19 mm
- Thread: M12
- Rechargeable battery pack integrated, standard, operating time up to 10 h without backlight, charging time approx. 8 h
- Net weight approx. 0,5 kg







Accessories

- Plug-In for data transfer of measuring data from the measuring instrument and transfer to a PC, e.g. in Microsoft Excel[®], SAUTER AFI-1.0
- Force-time data transfer software for graphical representation on the PC and data transfer to Microsoft Excel[®], SAUTER AFH FAST
- Force-displacement data transfer software with graphical reprensentation of the measurement process, SAUTER AFH FD
- USB cable, SAUTER FL-A01
- RS-232 adapter cable, SAUTER FL-A04
- Thermal printer, KERN YKB-01N
- Statistics thermal printer, KERN YKS-01
- Label printer, KERN YKE-01
- Supports for fastening of objects as well as additional accessories, please see page 25 onwards or www.sauter.eu

STANDARD				OPTION
			 👞	DAKKS ISO
PEAK PUSH/PULL MEMORY RS 23	2 USB ANALOG PRINTER	UNIT TOL ACCU	230 V 1 DAY	SOFTWARE +4 DAYS +4 DAYS
				e n 67

	s. p. 67					
Model	Measuring range	Readout	Op	Option DAkkS calibration certificate		
			Tensile force	Compressive force	Tensile/Compressive force	
	[Max]	[d]	DAkkS	DAkkS	DAkkS	
SAUTER	N	Ν	KERN	KERN	KERN	
FL 5	5	0,002	-	-	-	
FL 10	10	0,005	963-161	963-261	963-361	
FL 20	25	0,01	963-161	963-261	963-361	
FL 50	50	0,02	963-161	963-261	963-361	
FL 100	100	0,05	963-161	963-261	963-361	
FL 200	250	0,1	963-161	963-261	963-361	
FL 500	500	0,2	963-161	963-261	963-361	
FL 1K	1000	0,5	963-162	963-262	963-362	
FL 2K	2500	1	963-162	963-262	963-362	

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:

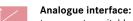
To transfer data from the balance to a printer, PC or other peripheral devices.

Your SAUTER specialist dealer:



Control outputs (optocoupler, digital I/O):

to connect relays, signal lamps, valves, etc.



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



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



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



PRINT a printer can be connected to the 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

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



Measuring with tolerance range (limit-setting function): Upper and lower limiting can be programmed individually. The process is supported by an audible or visual signal, see the relevant model

>0← ZERO:

Resets the display to "0".



ZERO

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.

Power supply:



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



by a electric motor.



Motorised drive:

Motorised drive:

The mechanical movement is carried out by a synchronous motor (stepper).

The mechanical movement is carried out



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:

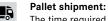
The time required for factory calibration is specified in the pictogram.



1 DAY

Package shipment:

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



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

SAUTER Catalogue 2018 | GB

