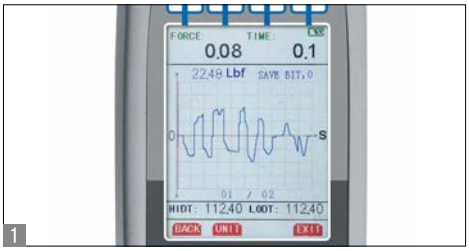
Digital premium force measuring device SAUTER FP-S

NEW

PREMIUM ★★★



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Force measuring device with graphic function and integrated measuring cell

Features

- 1 TFT graphic-display with backlight, 240x320 pixel, turnable display
- **Graphics display** shows the force progression of a measurement as a graphic
- **Internal data memory** saves all measurements from a complete measurement process. The content of the memory can be transferred to the PC using optional software
- **Metal housing** for durable usage in harsh environmental conditions
- Can be mounted on all SAUTER test stands
- 3 **USB data interfaces** to the PC included
- **Peak hold function** to capture the peak value or **Track function** for continuous display of the measurement
- **Function to set limits**, programming of Max./Min., in pull and push direction, with output of acoustic and optical signal. Ideal mode for efficient and accurate testing of standard parts
- **Auto Power-Off**
- 2 Scope of delivery: Standard attachments as shown, 90 mm extension rod, sturdy carry case

Technical data

- Units can be selected: N, lb, kg, oz
- Precision: ± 0,5 % of [Max]
- Measuring frequency: 2000 Hz
- High resolution: up to 10,000 points (total measuring range)
- Overload protection: 150 % of [Max]
- Dimensions WxDxH 238x69x36 mm
- Thread: M6
- Rechargeable battery pack integrated, standard, operating time up to 6 h without backlight, charging time approx. 14 h
- Net weight approx. 0,7 kg

Accessories

- **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 graphic display of the measurement process, SAUTER AFH FD
- 2 **Standard attachments** for all force-measuring devices FA, FH, FL, FC, FP-S, can be reordered at any time, SAUTER AC 43
- Further accessory see www.sauter.eu and page 26 et seqq.

STANDARD

PEAK | PUSH/PULL | MEMORY | USB | STATISTIC | UNIT | TOL | ACCU | 230 V | 1 DAY | 2 YEARS WARRANTY

OPTION

SOFTWARE | ISO +4 DAYS

Model	Measuring range	Readout		Option **ISO Calibration Certificate**					
				Tension		Compression		Tension/Compression	
SAUTER	[Max] N	[d] N		ISO KERN		ISO KERN		ISO KERN	
FP 2	2	0,001		961-161		961-261		961-361	
FP 5	5	0,001		961-161		961-261		961-361	
FP 10	10	0,005		961-161		961-261		961-361	
FP 20	20	0,01		961-161		961-261		961-361	
FP 50	50	0,01		961-161		961-261		961-361	
FP 100	100	0,05		961-161		961-261		961-361	
FP 200	200	0,1		961-161		961-261		961-361	
FP 500	500	0,1		961-161		961-261		961-361	

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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.

Scan mode:
continuous capture and display of measurements.

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.

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

Statistics:
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.

Printer:
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 be switched to 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.

ZERO:
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.

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.

Fast-Move:
the total length of travel can be covered by a single lever movement.

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

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

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

Warranty:
The warranty period is shown in the pictogram.

Your SAUTER specialist dealer: