

Compact force measuring device

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
- Capacity display: A bar lights up to show how much of the measuring range is still available
- 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
- Safety: If loads exceed 110 % of the measuring range, the device will give clear acoustic and visual signals
- Internal memory for up to 1000 measurements

• Data interface RS-232

(only for connection to the printer)

- Selectable: AUTO-OFF function or permanent operation
- 11 Delivered in a hard carrying case
- Selectable measuring units: N, kg, oz, lb
- 2 Standard attachments: as shown below
- Can be mounted on all SAUTER test stands (with adapter plate)

Technical data

- Precision: 0,2 % of [Max]
- Internal measuring frequency: 1000 Hz
- Overload protection: 150 % of [Max]
- Overall dimensions WxDxH 145x73x34 mm
- Thread: M6
- Net weight approx. 940 g
- Permissible ambient temperature -10 °C/40 °C

Accessories

- 3 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, **SAUTER AC 43**
- Further accessory see www.sauter.eu and page 26 et segq.

STANDARD

































OPTION



Model	Measuring range	Readout		Option ISO Calibration Certificate			
			Te	nsion Comp	ression Tension/C	ompression	
	[Max]	[d]	ISO	ISO	ISO		
SAUTER	N	N	KERN	KERN	KERN		
FC 10	10	0,01	961-161	961-261	961-361		
FC 50	50	0,01	961-161	961-261	961-361		
FC 100	100	0,1	961-161	961-261	961-361		
FC 500	500	0,1	961-161	961-261	961-361		
FC 1K	1000	1	961-162	_	_		

SAUTER Pictograms:





Adjusting program (CAL):

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



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:

measuring process.

standard for adjusting or correcting the measuring device.





SWITCH

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.



PEAK

Scan mode:

Push and Pull:

continuous capture and display of measurements.



Statistics:

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.

by a single lever movement.



PC Software:

to transfer the measurements from the device to a PC.



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



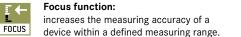
Printer:

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



Fast-Move:

the total length of travel can be covered





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.



Internal memory:

to save measurements in the device memory.

Data interface RS-232:

bidirectional, for connection



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.



1 DAY

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



ZERO:

Resets the display to "0".



Warranty:

The warranty period is shown in the pictogram.

in days in the pictogram.



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RS 232

Data interface USB:

of printer and PC.

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



Your SAUTER specialist dealer: