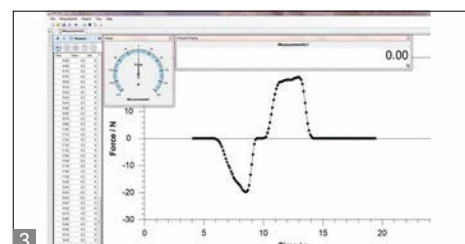




NEW



## Compact force-measuring device

### Features

- **Turnable display** with backlight
- **Real time** or **Peak Hold Mode** to observe transients or capture peaks
- **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
- **1** 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-distance evaluation software** with graphic display of the measuring process, SAUTER AFH FD
- **Standard attachments**, SAUTER AC 43
- Further accessory see [www.sauter.eu](http://www.sauter.eu) and page 21 et seqq.































#### STANDARD



#### OPTION



Model	Measuring range [Max] N	Readout [d] N	Option ISO Calibration Certificate			
			Tension		Compression	
			ISO KERN		ISO KERN	
SAUTER						
FC 10	10	0,01	961-161		961-261	
FC 50	50	0,01	961-161		961-261	
FC 100	100	0,1	961-161		961-261	
FC 500	500	0,1	961-161		961-261	
FC 1K	1000	1	961-162		961-262	

 <b>Adjusting program (CAL):</b> For quick setting of the balance's accuracy. External adjusting weight required.	 <b>Data interface Infrared:</b> To transfer data from the balance to a printer, PC or other peripheral devices.	 <b>Battery operation:</b> Ready for battery operation. The battery type is specified for each device.
 <b>Calibration block:</b> standard for adjusting or correcting the measuring device.	 <b>Control outputs (optocoupler, digital I/O):</b> to connect relays, signal lamps, valves, etc.	 <b>Rechargeable battery pack:</b> rechargeable set.
 <b>Peak hold function:</b> capturing a peak value within a measuring process.	 <b>Analogue interface:</b> to connect a suitable peripheral device for analogue processing of the measurements.	 <b>Mains adapter:</b> 230V/50Hz in standard version for EU. On request GB, AUS or USA version available.
 <b>Scan mode:</b> continuous capture and display of measurements.	 <b>Statistics:</b> using the saved values, the device calculates statistical data, such as average value, standard deviation etc.	 <b>Power supply:</b> Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS or USA on request.
 <b>Push and Pull:</b> the measuring device can capture tension and compression forces.	 <b>PC Software:</b> to transfer the measurements from the device to a PC.	 <b>Motorised drive:</b> The mechanical movement is carried out by a motorised drive.
 <b>Length measurement:</b> captures the geometric dimensions of a test object or the movement during a test process.	 <b>Printer:</b> a printer can be connected to the device to print out the measurements.	 <b>Fast-Move:</b> the total length of travel can be covered by a single lever movement.
 <b>Focus function:</b> increases the measuring accuracy of a device within a defined measuring range.	 <b>GLP/ISO record keeping:</b> of measurements with date, time and serial number. Only with SAUTER printers.	 <b>ISO Calibration:</b> The time required for ISO calibration is shown in days in the pictogram.
 <b>Internal memory:</b> to save measurements in the device memory.	 <b>Measuring units:</b> Weighing units can be switched to e.g. non-metric at the touch of a key. Please refer to website for more details.	 <b>Package shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram.
 <b>Data interface RS-232:</b> bidirectional, for connection of printer and PC.	 <b>Measuring with tolerance range:</b> Upper and lower limiting can be programmed individually, e.g. for sorting and dosing.	 <b>Pallet shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram.
 <b>Data interface USB:</b> To connect the balance to a printer, PC or other peripheral devices.	 <b>ZERO:</b> Resets the display to "0".	 <b>Warranty:</b> The warranty period is shown in the pictogram.

**Your SAUTER specialist dealer:**