



## Universal digital force gauge (Push / Pull) with Peak-Hold function with RS-232

### Features

- **Turnable display** with backlight
- **1** Can be mounted on all SAUTER test stands
- Digital force gauge with internal sensor
- **Data interface RS-232**, included
- **2** Standard attachments: as shown below, extension rod: 90 mm
- **3** Delivered in a hard carrying case
- Selectable measuring units: N, lb, kg
- **Real time** or **Peak Hold Mode** to observe transients or capture peaks
- **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**

- **Mini Statistics Kit:** calculates the average result from up to ten stored single results, min., max., n

### Technical data

- High resolution: up to 10,000 points (total measuring range)
- Internal measuring frequency: 2000 Hz
- Precision: 0,5 % of [Max]
- Overload protection: 150 % of [Max]
- Dimensions LxWxH 230x66x35 mm
- Thread: M6
- Rechargeable battery pack internal, standard, operating time up to 12 h without backlight, charging time approx. 4 h
- Net weight approx. 0,64 kg

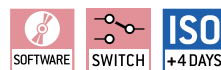
### Accessories

- **Relais module**, serves to amplify the output signal of the dynamometer to control direct actions, SAUTER AFH-02
- **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
- **Thermal printer**, SAUTER YKB-01N
- **Standard attachments**, SAUTER AC 43
- Further accessory see [www.sauter.eu](http://www.sauter.eu) and page 21 et seq.































#### STANDARD



#### OPTION



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

	<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: