

Features

- Turnable display with backlight
- Digital force gauge with remote sensor
- Data interface RS-232
- 11 Delivered in a hard carrying case
- Selectable measuring units: N, lb, kg, kN, t
- Real time or Peak Hold Mode to observe transcients 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
- Internal memory for up to 10 measurements

• 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)
- Measuring frequency: 2000 Hz
- Precision: 0,5 % of [Max]
- Overload protection: 150 % of [Max]
- Dimensions housing LxWxH 238x63x36 mm
- · Rechargeable battery pack internal, standard, operating time up to 12 h without backlight, charging time approx. 4 h
- 2 Tension loops and compression plates are included in delivery





FH 1K. - FH 20K.:

- Dimensions sensor WxDxH 51x76,2x19 mm
- Thread: M12

FH 5K. - FH20K.:

- · Dimensions sensor BxTxH 76,2x50,8x28,2 mm
- Thread: M12

FH 50K.:

- Dimensions sensor WxDxH 76,3x108x25,5 mm
- Thread: M18

FH 100K.:

- Dimensions sensor WxDxH 125,2x178x51,3 mm
- Thread: M30

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, transmission rate 20 HZ, SAUTER AFH FAST
- Force-distance evaluation software with graphic display of the measuring process, SAUTER AFH FD
- Thermal printer, SAUTER YKB-01N
- Further accessory see www.sauter.eu and page 21 et seqq.





















ACCU











OPTION





Model	Measuring range	Readout	Option ISO Calibration Certificate		
			Tension	Compression	
	[Max]	[d]	ISO	ISO	
SAUTER	kN	N	KERN	KERN	
FH 1K.	1	0,5	961-162	961-262	
FH 2K.	2	1	961-162	961-262	
FH 5K.	5	1	961-163	961-263	
FH 10K.	10	5	961-163	-	-
FH 20K.	20	10	961-164	-	-
FH 50K.	50	10	961-165	-	-
FH 100K.	100	50	961-166	_	-

SAUTER Pictograms:





Adjusting program (CAL):

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



SWITCH

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.



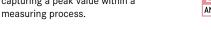
Calibration block:

standard for adjusting or correcting the measuring device.



Peak hold function:

capturing a peak value within a





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.



Scan mode:

Push and Pull:

continuous capture and display of measurements.



Statistics:

PC Software:

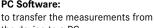
the device to a PC.

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.



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



SOFTWARE

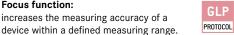
Printer:

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



Fast-Move:

the total length of travel can be covered by a single lever movement.





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.



FOCUS

Internal memory:

Focus function:

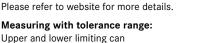
to save measurements in the device memory.



TOL

Measuring units:

Weighing units can be switched to e.g. non-metric at the touch of a key.





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



1 DAY

in days in the pictogram.

Warranty: The warranty period is shown in the pictogram.



Data interface RS-232:

bidirectional, for connection of printer and PC.



ZERO:

Resets the display to "0".

be programmed individually,

e.g. for sorting and dosing.



Data interface USB:

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

Your SAUTER specialist dealer: