





## Features

- Turnable display with backlight
- Digital force gauge with remote sensor
- Cable length: approx. 3 m
- Data interface RS-232, included
- 11 Delivered in a hard carrying case
- Selectable measuring units: N, lb, kg, KN, t
- 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)
- 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 WxDxH 66x36x230 mm
- · Rechargeable battery pack integrated, 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. - FH 20K.:

- · Dimensions sensor WxDxH 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, SAUTER AFH FAST
- Force-displacement data transfer software with graphic display of the measurement process, SAUTER AFH FD
- Thermal printer, SAUTER YKB-01N
- Further accessory see www.sauter.eu and page 26 et seqq.

STANDARD































OPTION



Model	Measuring range	Readout		Option ISO Calibration Certificate			
			Te	nsion Compi	ression Tension/Co	mpression	
	[Max]	[d]	ISO	ISO	ISO		
SAUTER	KN	N	KERN	KERN	KERN		
FH 1K.	1	0,5	961-162	961-262	961-362		
FH 2K.	2	1	961-162	961-262	961-362		
FH 5K.	5	1	961-163	961-263	961-363		
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.



#### 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



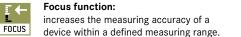
#### Printer:

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: