# **MEASURING TECHNOLOGY & TEST SERVICE 2024**

**Force measurement** 

## **Digital Force Gauge SAUTER FH-S**







SAUTER





Save with our practical bundles of test stand, force gauge and matching clamps, e.g. SAUTER FH 500S71, consisting of: - 1× FH 500 - 1× AE 500 (Details see page 43)

You can find our bundles on page 28/29

## Universal digital force gauge for tensile and compressive force measurements with integrated load cell

### Features

- · Turnable display with backlight
- 1 Can be mounted on all SAUTER test stands up to 5 kN
- · Data interface RS-232 as standard
- 2 Standard attachments as shown, extension rod: 90 mm
- 3 Delivered in a robust carrying case
- · Selectable measuring units: N, kgf, lbf
- · Peak-Hold function to capture the peak value
- or Track function for continuous display of measurement • Measuring with tolerance range (limit-setting
- function): Upper and lower limit adjustable, in pull and push direction. The process is supported by an audible and visual signal
- Auto-Power-Off
- · Internal memory for up to 10 measurement values
- · Mini Statistics Kit: calculates the average result from up to 10 stored measured values, as well as min., max., n

## **Technical data**

- · Transfer rate to PC: approx. 25 measured values per second
- Measuring precision: 0,5 % of [Max]
- Overload protection: 150 % of [Max]
- Overall dimensions W×D×H 356×66×36 mm
- Thread: M6
- · Rechargeable battery pack integrated, as standard, operating time up to 12 h without backlight, charging time approx. 4 h
- Net weight approx. 0,65 kg

### Accessories

- Data transfer software with graphic display of the measurement process, force-time, SAUTER AFH FAST
- RS-232/PC-connecting cable to connect models from the SAUTER FH range to a PC, SAUTER FH-A01
- 2 Standard attachments as standard, set can be reordered, SAUTER AC 43
- · Further accessories see internet

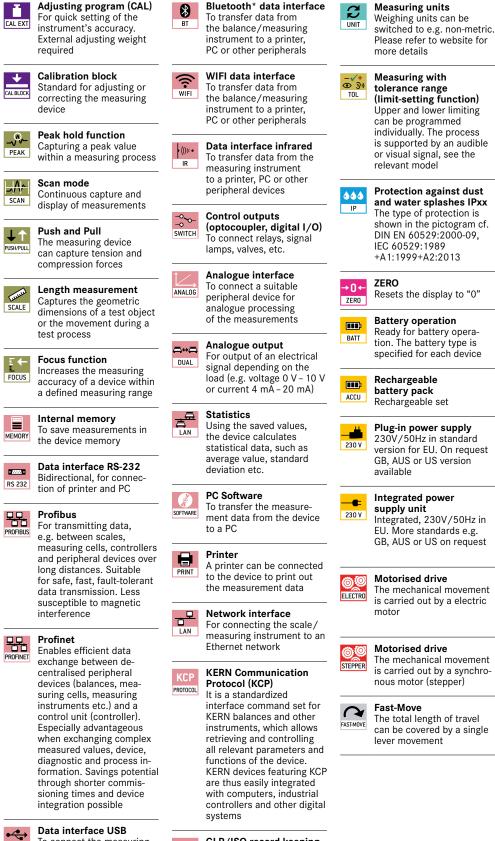


Model	Measuring range [Max]	Readability [d]	Option DAkkS Calibration Certificate		
			Tensile force DAkkS	Compressive force DAkkS	Tensile/Compressive force DAkkS
FH 2	2	0,001	-	-	_
FH 5	5	0,001	-	-	-
FH 10	10	0,005	963-161	963-261	963-361
FH 20	20	0,01	963-161	963-261	963-361
FH 50	50	0,01	963-161	963-261	963-361
FH 100	100	0,05	963-161	963-261	963-361
FH 200	200	0,1	963-161	963-261	963-361
FH 500	500	0,1	963-161	963-261	963-361

Further calibration options on request

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### **SAUTER Pictograms**







Conformity assessment Models with type approval for construction of verifiable systems

#### **DAkkS** calibration DAkkS possible

Μ

The time required for DAkkS calibration is shown in days in the pictogram

Factory calibration (ISO)

The time required for factory calibration is specified in the pictogram

#### Package shipment

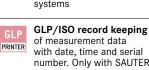
The time required for internal shipping preparations is shown in days in the pictogram

#### Pallet shipment

The time required for internal shipping preparations is shown in days in the pictogram



To connect the measuring instrument to a printer, PC or other peripheral devices



with date, time and serial number. Only with SAUTER printers

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