



## Universal digital force gauge for tensile and compressive force measurements with external measuring cell

### Features

- Turnable display with backlight
- Data interface RS-232 standard
- Delivered in a robust carrying case
- Selectable measuring units: N, kN, kgf, tf
- Peak-Hold function to capture peaks (measurement result will be "frozen" for a short time) or Track function mode for a continuous measurement indication
- 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]
- Dimensions housing W×D×H 66×36×230 mm
- Rechargeable battery pack integrated, standard, operating time up to 12 h without backlight, charging time approx. 4 h
- **1** Tension loops and compression plates are included in delivery
- Cable length approx 3 m

### Accessories

- Data transfer software with graphic display of the measurement process, SAUTER AFH FAST, **€ 115,-**  
Force-displacement only in combination with SAUTER LD, SAUTER AFH LD, **€ 250,-**  
Force-displacement only in combination with SAUTER LB, SAUTER AFH FD, **€ 650,-**
- RS-232/PC connection cable to connect models from the SAUTER FH range to a PC, SAUTER FH-A01, **€ 46,-**
- Further accessory see [www.sauter.eu](http://www.sauter.eu) and page 35 et seqq.

#### STANDARD



#### OPTION



Model	Measuring range [Max] kN	Readout [d] N	Dimensions load cell W×D×H mm	Thread	Price excl. of VAT ex works €	Option <b>DAkkS calibration certificate</b> (≤ 5 kN)/ <b>Factory calibration certificates</b> (> 5 kN)					
						Tensile force		Compressive force		Tensile/Compressive force	
SAUTER						KERN	€	KERN	€	KERN	€
FH 1K	1	0,5	76,2×51×19	M12	<b>840,-</b>	963-162	182,-	963-262	182,-	963-362	330,-
FH 2K	2	1	76,2×51×19	M12	<b>840,-</b>	963-162	182,-	963-262	182,-	963-362	330,-
FH 5K	5	1	76,2×51×28,2	M12	<b>1070,-</b>	963-163	250,-	963-263	250,-	963-363	445,-
FH 10K	10	5	76,2×51×28,2	M12	<b>1260,-</b>	961-164	325,-	961-264	325,-	961-364	485,-
FH 20K	20	10	76,2×51×28,2	M12	<b>1270,-</b>	961-164	325,-	961-264	325,-	961-364	485,-
FH 50K	50	10	108×76,3×25,5	M18×1,5	<b>1470,-</b>	961-165	325,-	961-265	325,-	961-365	485,-
FH 100K	100	50	178×152,2×51,3	M30×2	<b>1660,-</b>	961-166	360,-	961-266	360,-	961-366	530,-

**1** Further calibration options on request