



Universal digital force gauges for tension and compression tests with external measuring cell

Features

- **Turnable display** with backlight
- Cable length: approx. 3 m
- **Data interface RS-232**, included
- **Delivered in a robust carrying case**
- **Selectable measuring units:** N, kN, kg, t, lb
- **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)
- **Measuring with tolerance range (limit-setting function):** Upper and lower limiting can be programmed individually, 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

- 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 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

FH 1K.-FH 2K.:

- Dimensions load cell W×D×H 76,2×51×19 mm
- Thread: M12

FH 5K.-FH 20K.:

- Dimensions load cell W×D×H 76,2×51×28,2 mm
- Thread: M12

FH 50K.:

- Dimensions load cell W×D×H 108×76,3×25,5 mm
- Thread: M18

FH 100K.:

- Dimensions load cell W×D×H 178×152,2×51,3 mm
- Thread: M30

Accessories

- **Relais module**, serves to transfer the output signal of the dynamometer to control direct actions, SAUTER AFH-02, **€ 340,-**
- **Force-displacement data transfer software** with graphical representation of the measuring process, only in combination with SAUTER LD, SAUTER AFH LD, **€ 250,-**
- **Force-time data transfer software** for graphical representation on the PC and data transfer to Microsoft Excel®, SAUTER AFH FAST, **€ 115,-**
- **Force-displacement data transfer software** with graphic display of the measurement process, 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 or a printer, SAUTER FH-A01, **€ 46,-**
- **Matrix needle printer** KERN YKN-01N, **€ 230,-**
- **Thermal printer**, KERN YKB-01N, **€ 320,-**
- **Statistics thermal printer**, KERN YKS-01, **€ 390,-**
- **Label printer**, KERN YKE-01, **€ 590,-**
- Further accessory see www.sauter.eu and page 30 et seqq.

STANDARD



OPTION



Model	Measuring range [Max] kN	Readout [d] N	Price excl. of VAT ex works €	Option DAkKS calibration certificate (≤ 5 kN)/Factory calibration certificates (< 5 kN)						
				Tensile force		Compressive force		Tensile/Compressive force		
				DAkKS KERN	€	DAkKS KERN	€	DAkKS KERN	€	
SAUTER										
FH 1K.	1	0,5	730,-	963-162	165,-	963-262	165,-	963-362	300,-	
FH 2K.	2	1	730,-	963-162	165,-	963-262	165,-	963-362	300,-	
FH 5K.	5	1	940,-	963-163	225,-	963-263	225,-	963-363	405,-	
FH 10K.	10	5	1100,-	961-164	295,-	-	-	-	-	
FH 20K.	20	10	1110,-	961-164	295,-	-	-	-	-	
FH 50K.	50	10	1290,-	961-165	295,-	-	-	-	-	
FH 100K.	100	50	1550,-	961-166	325,-	-	-	-	-	