

NEW

PREMIUM



Premium force measuring instrument with graphic assisted display for tension and compression tests with external measuring cell

Features

- **Premium force gauge** with external measuring cell, tension loops and compression plates included in delivery
- **Turnable display** with backlight
- **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)
- **Metal housing** for durable usage in harsh environmental conditions
- Can be mounted on all SAUTER test stands
- **Capacity display:** A bar lights up to show how much of the measuring range is still available
- **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 visual signal.
- **Internal memory** for up to 500 measurement values
- **Continuous analogue output:** Linear voltage signal in dependence to the load (-2 to +2 V)
- **Selectable measuring units:** N, kN, kg, oz, lbf
- **Delivered in a robust carrying case**

Technical data

- Internal measuring frequency: 1000 Hz
- Precision: 0,2 % of [Max]
- Overload protection: 120 % of [Max]
- Dimensions housing: W×D×H 175×75×30 mm
- Dimensions load cell W×D×H 76,2×51×19 mm
- Thread: M12
- Rechargeable battery pack integrated, standard, operating time up to 10 h without backlight, charging time approx. 8 h
- Net weight approx. 0,5 kg

Accessories

- **Plug-In for data transfer of measuring data** from the measuring instrument and transfer to a PC, e.g. in Microsoft Excel®, SAUTER AFI-1.0, **€ 90,-**
- **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,-**
- **USB cable**, SAUTER FL-A01, **€ 49,-**
- **RS-232 adapter cable**, SAUTER FL-A04, **€ 49,-**

STANDARD



OPTION



Model	Measuring range [Max] N	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 FL 2K	2500	1	600,-	963-162	165,-	963-262	165,-	963-362	300,-
FL 5K	5000	1	990,-	963-163	225,-	963-263	225,-	963-363	405,-
FL 10K	10000	2	1150,-	961-164	295,-	-	-	-	-
FL 20K	20000	5	1190,-	961-164	295,-	-	-	-	-