



Powerful digital force gauge with graphic assisted display for tensile and compressive force measurements with external measuring cell

Features

- Premium force gauge with external measuring cell, tension loops 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
- Metal housing for durable usage in harsh environmental conditions
- Can be mounted on all SAUTER test stands from 1 kN
- 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 limit adjustable, 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)
- Data interface USB standard
- Selectable measuring units: N, kN, kgf, ozf, lbf
- Delivered in a robust carrying case

Technical data

- Transfer rate to PC: approx. 25 measured values per second
- Measuring precision: 0,2 % of [Max]
- Overload protection: 120 % of [Max]
- Overall dimensions: W×D×H 175×75×30 mm
- Dimensions load cell W×D×H
FL 2K : 76,2×51×19 mm
FL 5K, 10K, 20K : 76,2×51×28 mm
- Thread: M12
- Rechargeable battery pack integrated, standard, operating time up to 10 h without backlight, charging time approx. 8 h
- Net weight approx. 1,5 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,-**
- 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,-**
- USB cable, as standard, can be reordered, SAUTER FL-A01, **€ 46,-**
- RS-232 adapter cable, SAUTER FL-A04, **€ 46,-**

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	
				KERN	€	KERN	€	KERN	€
FL 2K	2500	1	600,-	963-162	182,-	963-262	182,-	963-362	330,-
FL 5K	5000	2	990,-	963-163	250,-	963-263	250,-	963-363	445,-
FL 10K	10000	5	1150,-	961-164	325,-	961-264	325,-	961-364	485,-
FL 20K	20000	10	1190,-	961-164	325,-	961-264	325,-	961-364	485,-

Further calibration options on request