



Universal digital force gauge with graphic-assisted display and integrated measuring cell

Features

- 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 up to 5 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 a 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

- 1 Standard attachments: as shown above
- Selectable measuring units: N, kN, kgf, lbf
- 2 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
- Thread: M6
- 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,-
- 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,-
- Supports for fastening of objects as well as additional accessories, please see page 35 onwards or www.sauter.eu

STANDARD



OPTION



Model	Measuring range	Readout	Price excl. of VAT ex works €	Option DAKkS calibration certificate					
				Tensile force		Compressive force		Tensile/Compressive force	
				DAKkS KERN	€	DAKkS KERN	€	DAKkS KERN	€
SAUTER FL 5	[Max] N	[d] N	500,-	-	-	-	-	-	-
FL 10	5	0,002	500,-	963-161	148,-	963-261	148,-	963-361	270,-
FL 20	10	0,005	500,-	963-161	148,-	963-261	148,-	963-361	270,-
FL 50	25	0,01	500,-	963-161	148,-	963-261	148,-	963-361	270,-
FL 100	50	0,02	500,-	963-161	148,-	963-261	148,-	963-361	270,-
FL 200	100	0,05	500,-	963-161	148,-	963-261	148,-	963-361	270,-
FL 500	250	0,1	500,-	963-161	148,-	963-261	148,-	963-361	270,-
FL 1K	500	0,2	500,-	963-161	148,-	963-261	148,-	963-361	270,-
	1000	0,5	570,-	963-162	182,-	963-262	182,-	963-362	330,-

Further calibration options on request