MEASURING TECHNOLOGY & TEST SERVICE 2024

Force measurement

Digital Force Gauge SAUTER FL-S









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

Features

- · Turnable display with backlight
- Peak-Hold function to capture the peak value or Track function for continuous display of measurement
- Metal housing for durable use 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 +2V)

- USB data interface, as standard
- 1 Standard attachments: as shown
- · 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 215×75×30 mm
- Thread: M6
- Rechargeable battery pack integrated, as standard, operating time up to 10 h without backlight, charging time approx. 8 h
- Net weight approx. 0,55 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-2.0, see internet
- Data transfer software with graphic display of the measurement process, force-time, SAUTER AFH FAST
- USB cable, included with the delivery, can be ordered separately, USB/PC connection cable (USB-A/USB mini), SAUTER FL-A01
- RS-232 adapter cable, SAUTER FL-A04
- Holders for object fixation and other accessories, please see internet

STANDARD	OPTION		
PEAK PUSH/PULL MEMORY	RS 232 USB ANALOG	C -√+ Image: Solution of the second secon	230 V 1 DAY SOFTWARE DAkkS ISO +4 DAYS

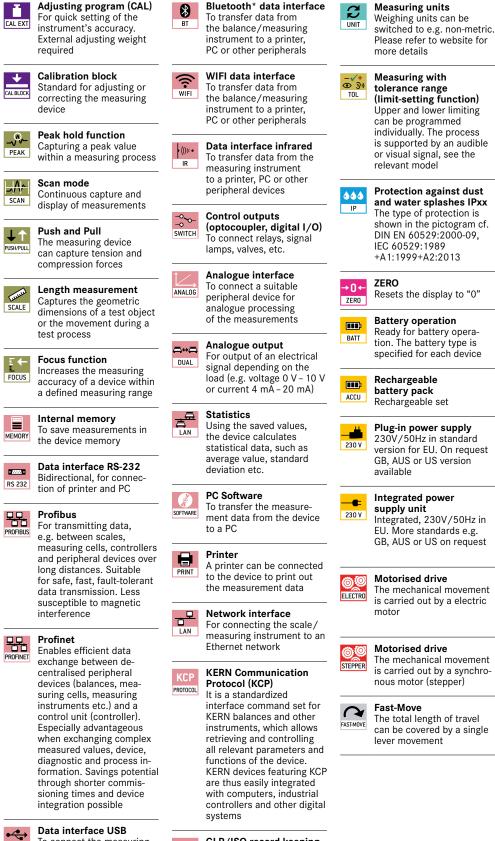
Model	Measuring range	Readability	Option DAkkS Calibration Certificate		
			Tensile force	Compressive force	Tensile/Compressive force
	[Max]	[d]	DAkkS	DAkkS	DAkkS
SAUTER	Ν	N	KERN	KERN	KERN
FL 5	5	0,002	-	-	-
FL 10	10	0,005	963-161	963-261	963-361
FL 20	25	0,01	963-161	963-261	963-361
FL 50	50	0,02	963-161	963-261	963-361
FL 100	100	0,05	963-161	963-261	963-361
FL 200	250	0,1	963-161	963-261	963-361
FL 500	500	0,2	963-161	963-261	963-361
FL 1K	1000	0,5	963-162	963-262	963-362

Further calibration options on request



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SAUTER Pictograms







Conformity assessment Models with type approval for construction of verifiable systems

DAkkS calibration DAkkS possible

Μ

The time required for DAkkS calibration is shown in days in the pictogram

Factory calibration (ISO)

The time required for factory calibration is specified in the pictogram

Package shipment

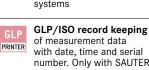
The time required for internal shipping preparations is shown in days in the pictogram

Pallet shipment

The time required for internal shipping preparations is shown in days in the pictogram



To connect the measuring instrument to a printer, PC or other peripheral devices



with date, time and serial number. Only with SAUTER printers

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