



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
- Selectable measuring units: N, kN, kgf, lbf
- 1 Standard attachments: as shown
- 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/PC connection cable (USB-A/USB mini), included with the delivery, can be ordered separately, SAUTER FL-A01
- RS-232 adapter cable, SAUTER FL-A04
- Holders for object fixation and other accessories, please see www.sauter.eu

STANDARD



OPTION



Model	Measuring range [Max]	Readability [d]	Option DAkkS Calibration Certificate		
			Tensile Force	Compressive Force	Tensile/Compressive Force
			DAkkS KERN	DAkkS KERN	DAkkS KERN
SAUTER 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