

Product brochure

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SAUTER FE 5

Digital force gauge with pass-fail function for tensile and compressive force measurements

ENGLISH



CONTACT

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FEATURES

- Reversible display with backlighting
- Secure operability due to the ergonomic design
- Peak-hold function to capture the peak value or Track function for continuous display of the measurement
- Can be mounted on all SAUTER test stands up to 1 kN
- Measuring with tolerance range (limit-setting function): Upper and lower limit adjustable, in pull and push direction. The process is supported by an audible and visual signal
- Selectable measuring units: N, kN, kgf, ozf, lbf
- Standard attachments: as shown
- Delivered in a robust carrying case

TECHNICAL DATA

- Measuring precision: 0,3% of [Max]
- Overload protection: 150% of [Max]
- Overall dimensions W×D×H 71×31×180 mm
- External thread M6
- Rechargeable battery pack integrated, as standard, operating time up to 10 h without backlight, charging time approx. 8 h, Convenient charging via USB-C port
- Net weight approx. 0,35 kg

MAIN SCOPE OF APPLICATIONS

- Test laboratories
- Research and development
- Automotive industry
- Maintenance and servicing
- Plastics technology

PICTOGRAMS

Standard



Option



MODEL OVERVIEW

Model	Measuring range [Max]	Readability [d]
FE 1K	1 kN	0,5 N
FE 5	5 N	0,002 N
FE 10	10 N	0,005 N
FE 20	25 N	0,01 N
FE 50	50 N	0,02 N
FE 100	100 N	0,05 N
FE 200	250 N	0,1 N
FE 500	500 N	0,2 N

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ACCESSORIES

Model	Description
AC 02	Ball-shaped head SAUTER AC 02 (Ball radius: 5 mm / 8 mm 2 pieces)
AC 02R	Accessory force measurement AC 02R
AC 17	Screw tension clamp with jaws AC 17 (up to 500 N width 8 mm, clamping width 2,5 mm 2 piece)
AC 17R	Screw tension clamp with jaws AC 17R (up to 500 N width 8 mm, clamping width 2,5 mm 1 piece)
AE 01	Standard Clamp AE 01
AE 05	Rope and thread tension clamp AE 05 (up to 500 N width , clamping width 2,5 mm 1)
AFK 02	Stainless steel handle with plastic coating AFK 02
AFM 22	Adapter AFM 22 (Threaded hole M8 External thread M6)
AFM 23	Adapter AFM 23 (External thread M10 Threaded hole M8)
FK-A01	Tensiometer attachment FK FK-A01
FS-E07	Power supply unit EURO FS-E07
FS TKZ	Transport case FS TKZ

SERVICES

Model	Description
961-1610	Factory calibration certificate 961-1610 (tension N)
961-2610	Factory calibration certificate 961-2610 (compression N)
961-3610	Factory calibration certificate 961-3610 (tension, compression N)
963-1610	DAkkS calibration certificate 963-1610 (force direction tension measurement result unit N calibration standard DKD-R 3-3 - sequence A)
963-2610	DAkkS calibration certificate 963-2610 (force direction compression measurement result unit N calibration standard DKD-R 3-3 - sequence A)
963-3610	DAkkS calibration certificate 963-3610 (force direction tension, compression measurement result unit N calibration standard DKD-R 3-3 - sequence A)
970-014	Warranty extension (+3 years) 970-014

KERN Pictogram Overview

	Hold function: When the weighing conditions are unstable, a stable weight is calculated as an average value
	Push and Pull: the measuring device can capture tension and compression forces
	Units can be switched to e.g. non-metric units
	Measuring with tolerance range (checkweighing): Upper and lower limit values can be programmed, e.g. for sorting, portioning or for measuring coatings or material thicknesses. The process is supported by an acoustic and/or optical signal
	Rechargeable battery pack: Rechargeable set
	Integrated power supply unit: Integrated in device. 230 V/50 Hz standard EU. More standards e.g. GB, USA or AUS on request
	Package shipment by courier service: The duration of internal product provision is one day
	Factory calibration (ISO): Factory calibration takes 4 working days
	Accredited calibration (DKD): The duration of the accredited calibration is 3 working days