# **MEASURING TECHNOLOGY & TEST SERVICE 2024**

Force measurement

### Digital Force Gauge SAUTER FK



# Robust, digital force gauge for tensile and compressive force measurements

### Features

- Turnable display: automatic direction identification
- Secure operability due to the ergonomic design
- Peak-Hold function to capture peaks (value is "frozen" for approx. 10 seconds) or Track function mode for a continuous measurement indication
- Selectable measuring units: N, lbf, kgf, ozf
- Auto-Power-Off

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- 1 Standard attachments as shown, extension rod: 90 mm
- Can be mounted on all SAUTER test stands up to 5 kN

## Technical data

- Measuring precision: 0,5% of [Max]
- Overload protection: 200% of [Max]
- Overall dimensions W×D×H 195×83×35 mm
- Thread: M8
- Ready for use: Batteries included, 6×1.5 V AA
- Net weight approx. 0,75 kg

### Accessories

- With one of the two optional attachments for tensile strength testing, the SAUTER FK can become a tensiometer for testing the material tension characteristics of cables, threads, wires, twine etc. (up to Ø 5 mm): Illustration shows accessories SAUTER FK-A02
- Tensiometer attachment with Safe-insert function: Pull and release to insert the running cable in between the rolls, for tensile strength testing up to 250 N, aluminium attachment, rolls can be adjusted inwards, SAUTER FK-A01
- Tensiometer kit for high-capacity tensile strength testing up to 1000 N, steel attachment and steel rolls, rolls cannot be adjusted, SAUTER FK-A02
- Standard attachments as standard, set can be reordered, SAUTER AC 430
- · Further accessories see internet

STANDARD	OPTION					
	$\downarrow\uparrow$	→0←				ISO
PEAK	PUSH/PULL	ZERO	BATT	230 V	1 DAY	+4 DAYS

Model	Measuring range	Readability	Option Factory calibration certificate			
	[Max]	[d]	Tensile force	Compressive force	Tensile/Compressive force	
SAUTER	Ν	Ν	KERN	KERN	KERN	
FK 10	10	0,005	961-1610	961-2610	961-3610	
FK 25	25	0,01	961-1610	961-2610	961-3610	
FK 50	50	0,02	961-1610	961-2610	961-3610	
FK 100	100	0,05	961-1610	961-2610	961-3610	
FK 250	250	0,1	961-1610	961-2610	961-3610	
FK 500	500	0,2	961-1610	961-2610	961-3610	
FK 1K	1000	0,5	961-1620	961-2620	961-3620	

Further calibration options on request

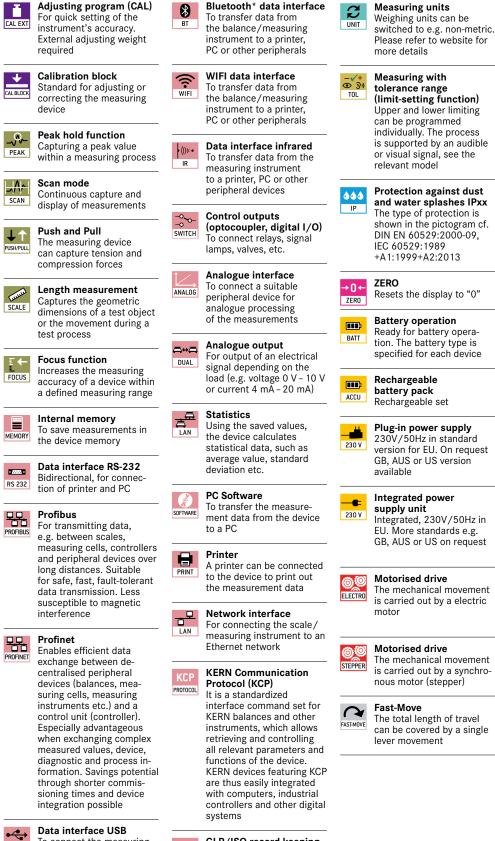






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### **SAUTER Pictograms**







Conformity assessment Models with type approval for construction of verifiable systems

#### **DAkkS** calibration DAkkS possible

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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

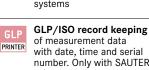
The time required for internal shipping preparations is shown in days in the pictogram

#### 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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