PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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SAUTER FK 50

Robust, digital force gauge for tensile and compressive force measurements

ENGLISH



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APPLICATION EXAMPLE







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, kg, ozf
- Auto-Power-Off
- Standard attachments as shown, extension rod: 90 mm
- Can be mounted on all SAUTER test stands up to 5 kN
- Note: M8 external thread on the device: the AFM 22 thread adapter (M8 internal thread, M6 external thread) allows all clamps with M6 internal threads to be adapted (see accessories)

TECHNICAL DATA

- Measuring precision: 0,5% of [Max]
- Overload protection: 200% of [Max]
- Overall dimensions W×D×H 195×82×35 mm
- External thread M8
- Ready for use: Batteries included, 6×1.5 V AA
- Net weight approx. 0,75 kg

MAIN SCOPE OF APPLICATIONS

- Test laboratories
- Research and development
- Automotive industry
- Maintenance and servicing
- Plastics technology
- Retirement and nursing homes (non-medical)

PICTOGRAMS

Standard



Option



MODEL OVERVIEW

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

ACCESSORIES

Model	Description
AC 430	Standard attachments AC 430
AE 500	Screw tension clamp with jaws AE 500
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 TKZ	Transport case FS TKZ

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SERVICES

Model	Description
961-161O	Factory calibration certificate 961-161O (tension | N)
961-261O	Factory calibration certificate 961-261O (compression | N)
961-361O	Factory calibration certificate 961-361O (tension, compression | N)
963-161O	DAkkS calibration certificate 963-161O (force direction tension | measurement result unit N | calibration standard DKD-R 3-3 - sequence A)
963-261O	DAkkS calibration certificate 963-261O (force direction compression | measurement result unit N | calibration standard DKD-R 3-3 - sequence A)
963-361O	DAkkS calibration certificate 963-361O (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

	Peak hold function: capturing a peak value within a measuring process
	Push and Pull: the measuring device can capture tension and compression forces
	ZERO: Reset the display to 0
	Battery operation: Ready for battery operation
	Plug-in power supply: 230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available
	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

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