

PRODUCT BROCHURE

SAUTER FK 1K

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ENGLISH



Robust, digital force gauge for tensile and compressive force measurements

CONTACT

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PRODUCT SHOWCASE



DESCRIPTION

- 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

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	FK 1K
Model-Serie	FK
Assortment	Sauter
Product Type	Force measurement
Product group	Digital force-measuring devices (internal sensor)
Product usage type	Main article
EAN code (Model)	404576 1139503

Predecessor Model	FK 1K-2019a
Customs tariff number	90248000
CE Label	yes

Technical data - Primary

Max. Force	1 kN
Readability	0.5 N

Technical data - Display

Display type	LCD
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Display digit height	18 mm
Display reverse	yes

Technical data - Power supply

Power supply	Power supply & battery included
Battery type	Alkali(-Manganese)
Mains adapter/adapter included	CH;EURO;UK;US
Protection Class	no protection class

Technical data - Measuring system

Units	N
Tolerance (% from Max.)	0.5%
Force direction	compression;tension

Technical data - Functions

Hold-Function	yes
Peak-Function	yes

Technical data - Environmental conditions

Maximum operating temperature	30 °C
Minimum storage temperature	60 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	260×250×80 mm
Gross weight	0.65 kg
Net weight	0.50 kg

Shipping method	Parcel service
UN number	Drycell (UN number Alkaline: none, NiMH: 3496 - Packing instruction #1)
Packaging component - by weight - paper	16 g
Packaging component - by weight - cardboard	584 g
Packaging component - by weight - plastics	4 g
Packaging component - by weight - styrofoam	148 g
Packaging component - by weight - foam	73 g
Delivery time	1 d

Optional Services

DAkkS calibration - push/pull	963-3620
DAkkS calibration - push only	963-2620
DAkkS calibration - pull only	963-1620

FUNCTIONS

Standard
     
Option


ACCESSORIES

Model	Description
AC 14	Screw Tension Clamp SAUTER AC 14
AFK 02	Stainless steel handle bar SAUTER AFK 02
FK-A02	Attachments SAUTER FK-A02
AC 430	Standard attachments AC 430
AC 03R	Clamp SAUTER AC 03R
AFM 22	Adapter KERN AFM 22
AFM 23	Sleeve SAUTER AFM 23
FS TKZ	Transport case SAUTER FS TKZ
AC 45	Force sensor SAUTER AC 45
AC 46	Force sensor SAUTER AC 46
AC 47	Force sensor SAUTER AC 47

SERVICES

Model	Description
963-1620	DAkkS Calibration KERN 963-1620
963-2620	DAkkS Calibration KERN 963-2620
963-3620	DAkkS Calibration KERN 963-3620
961-1620	Factory calibration KERN 961-1620
961-2620	Factory calibration KERN 961-2620
961-3620	Factory calibration KERN 961-3620
970-014	Warranty extension KERN (+3 years) 970-014

SPARE PARTS

Model	Description
AC 430	Standard attachments AC 430
RFK-4001	Keyboard overlay SAUTER RFK-4001
YKA-03N	Power Adapter KERN YKA-03N

RELATED ARTICLES DATA

Model name	Max. Force	Readability
FK 10	10 N	0.005 N

Model name	Max. Force	Readability
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
FK 1K	1 kN	0.5 N