

PRODUCT BROCHURE

SAUTER FK 100

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ENGLISH



Robust, digital force gauge for tensile and compressive force measurements

CONTACT

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information

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 100
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 1139497

Predecessor Model FK 100-2019a

Customs tariff number 90248000

CE Label yes

Technical data - Primary

Max. Force 100 N

Readability 0.05 N

Technical data - Display

Display type LCD

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) 255×250×80 mm

Gross weight 0.90 kg

Net weight 0.60 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 963-3610

DAkkS calibration - push only 963-2610

DAkkS calibration - pull only 963-1610

FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
AC 01	Screw Tension Clamp SAUTER AC 01
AC 14	Screw Tension Clamp SAUTER AC 14
AC 22	Fine point clamp SAUTER AC 22
AFK 02	Stainless steel handle bar SAUTER AFK 02
FK-A01	Attachments SAUTER FK-A01
AC 430	Standard attachments AC 430
AC 01R	Screw Tension Clamp SAUTER AC 01R
AC 03R	Clamp SAUTER AC 03R
AC 14R	Screw Tension Clamp SAUTER AC 14R
AC 22R	Fine point clamp SAUTER AC 22R
AE 500	Screw Tension Clamp SAUTER AE 500
AFM 22	Adapter KERN AFM 22
AFM 23	Sleeve SAUTER AFM 23
FS TKZ	Transport case SAUTER FS TKZ
AE 01	Standard Clamp AE 01
AE 02	Standard Clamp AE 02
AE 03	Clamp SAUTER AE 03
AE 04	Clamp SAUTER AE 04
AE 05	Rope and thread tension clamp SAUTER AE 05
AE 06	Clamp SAUTER AE 06
AE 07	Wedge Clamp with jaws AE 07
AC 45	Force sensor SAUTER AC 45
AC 46	Force sensor SAUTER AC 46
AC 47	Force sensor SAUTER AC 47

SERVICES

Model	Description
963-1610	DAkkS Calibration KERN 963-1610
963-2610	DAkkS Calibration KERN 963-2610
963-3610	DAkkS Calibration KERN 963-3610

Model	Description
961-1610	Factory calibration KERN 961-1610
961-2610	Factory calibration KERN 961-2610
961-3610	Factory calibration KERN 961-3610
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
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