

## PRODUCT BROCHURE

# MEASURING INSTRUMENTS FK 100

Date: 24.03.2026

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 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)	4045761139497
Predecessor Model	FK 100-2019a
Customs tariff number	90248000

### Technical data - Primary

Max. Force	100 N
Readability	0.05 N

### Technical data - Display

Display type	LCD
Display digit height	18 mm
DisplayReverse	yes

### Technical data - Power supply

Power supply	Power supply & battery included
Battery type	Alkali(-Manganese)
Mains adapter/adaptor 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
<a href="#">AC 01</a>	Screw Tension Clamp SAUTER AC 01
<a href="#">AC 14</a>	Screw Tension Clamp SAUTER AC 14
<a href="#">AC 22</a>	Fine point clamp SAUTER AC 22
<a href="#">AFK 02</a>	Stainless steel handle bar SAUTER AFK 02
<a href="#">FK-A01</a>	Attachments SAUTER FK-A01
<a href="#">AC 430</a>	Standard attachments AC 430
<a href="#">AC 01R</a>	Screw Tension Clamp SAUTER AC 01R
<a href="#">AC 03R</a>	Clamp SAUTER AC 03R
<a href="#">AC 14R</a>	Screw Tension Clamp SAUTER AC 14R

Model	Description
<a href="#"><b>AC 22R</b></a>	Fine point clamp SAUTER AC 22R
<a href="#"><b>AE 500</b></a>	Screw Tension Clamp SAUTER AE 500
<a href="#"><b>AFM 22</b></a>	Adapter KERN AFM 22
<a href="#"><b>AFM 23</b></a>	Sleeve SAUTER AFM 23
<a href="#"><b>FS TKZ</b></a>	Transport case SAUTER FS TKZ
<a href="#"><b>AE 01</b></a>	Standard Clamp AE 01
<a href="#"><b>AE 02</b></a>	Standard Clamp AE 02
<a href="#"><b>AE 03</b></a>	Clamp SAUTER AE 03
<a href="#"><b>AE 04</b></a>	Clamp SAUTER AE 04
<a href="#"><b>AE 05</b></a>	Rope and thread tension clamp SAUTER AE 05
<a href="#"><b>AE 06</b></a>	Cable removal clamp SAUTER AE 06
<a href="#"><b>AE 07</b></a>	Wedge Clamp with jaws AE 07
<a href="#"><b>AC 45</b></a>	Force sensor SAUTER AC 45
<a href="#"><b>AC 46</b></a>	Force sensor SAUTER AC 46
<a href="#"><b>AC 47</b></a>	Force sensor SAUTER AC 47

## SERVICES

Model	Description
<a href="#"><b>AC 01</b></a>	Screw Tension Clamp SAUTER AC 01
<a href="#"><b>AC 14</b></a>	Screw Tension Clamp SAUTER AC 14
<a href="#"><b>AC 22</b></a>	Fine point clamp SAUTER AC 22
<a href="#"><b>AFK 02</b></a>	Stainless steel handle bar SAUTER AFK 02
<a href="#"><b>FK-A01</b></a>	Attachments SAUTER FK-A01
<a href="#"><b>AC 430</b></a>	Standard attachments AC 430
<a href="#"><b>AC 01R</b></a>	Screw Tension Clamp SAUTER AC 01R
<a href="#"><b>AC 03R</b></a>	Clamp SAUTER AC 03R
<a href="#"><b>AC 14R</b></a>	Screw Tension Clamp SAUTER AC 14R
<a href="#"><b>AC 22R</b></a>	Fine point clamp SAUTER AC 22R
<a href="#"><b>AE 500</b></a>	Screw Tension Clamp SAUTER AE 500
<a href="#"><b>AFM 22</b></a>	Adapter KERN AFM 22
<a href="#"><b>AFM 23</b></a>	Sleeve SAUTER AFM 23

<b>Model</b>	<b>Description</b>
<b><u>FS TKZ</u></b>	Transport case SAUTER FS TKZ
<b><u>AE 01</u></b>	Standard Clamp AE 01
<b><u>AE 02</u></b>	Standard Clamp AE 02
<b><u>AE 03</u></b>	Clamp SAUTER AE 03
<b><u>AE 04</u></b>	Clamp SAUTER AE 04
<b><u>AE 05</u></b>	Rope and thread tension clamp SAUTER AE 05
<b><u>AE 06</u></b>	Cable removal clamp SAUTER AE 06
<b><u>AE 07</u></b>	Wedge Clamp with jaws AE 07
<b><u>AC 45</u></b>	Force sensor SAUTER AC 45
<b><u>AC 46</u></b>	Force sensor SAUTER AC 46
<b><u>AC 47</u></b>	Force sensor SAUTER AC 47

## SPARE PARTS

<b>Model</b>	<b>Description</b>
<b><u>AC 01</u></b>	Screw Tension Clamp SAUTER AC 01
<b><u>AC 14</u></b>	Screw Tension Clamp SAUTER AC 14
<b><u>AC 22</u></b>	Fine point clamp SAUTER AC 22
<b><u>AFK 02</u></b>	Stainless steel handle bar SAUTER AFK 02
<b><u>FK-A01</u></b>	Attachments SAUTER FK-A01
<b><u>AC 430</u></b>	Standard attachments AC 430
<b><u>AC 01R</u></b>	Screw Tension Clamp SAUTER AC 01R
<b><u>AC 03R</u></b>	Clamp SAUTER AC 03R
<b><u>AC 14R</u></b>	Screw Tension Clamp SAUTER AC 14R
<b><u>AC 22R</u></b>	Fine point clamp SAUTER AC 22R
<b><u>AE 500</u></b>	Screw Tension Clamp SAUTER AE 500
<b><u>AFM 22</u></b>	Adapter KERN AFM 22
<b><u>AFM 23</u></b>	Sleeve SAUTER AFM 23
<b><u>FS TKZ</u></b>	Transport case SAUTER FS TKZ
<b><u>AE 01</u></b>	Standard Clamp AE 01
<b><u>AE 02</u></b>	Standard Clamp AE 02
<b><u>AE 03</u></b>	Clamp SAUTER AE 03



Model name	Max. Force	Readability
<u>FK 25</u>	25 N	0.01 N
<u>FK 25</u>	25 N	0.01 N
<u>FK 25</u>	25 N	0.01 N
<u>FK 25</u>	25 N	0.01 N
<u>FK 25</u>	25 N	0.01 N
<u>FK 25</u>	25 N	0.01 N
<u>FK 50</u>	50 N	0.02 N
<u>FK 50</u>	50 N	0.02 N
<u>FK 50</u>	50 N	0.02 N
<u>FK 50</u>	50 N	0.02 N
<u>FK 50</u>	50 N	0.02 N
<u>FK 50</u>	50 N	0.02 N
<u>FK 50</u>	50 N	0.02 N
<u>FK 50</u>	50 N	0.02 N
<u>FK 50</u>	50 N	0.02 N
<u>FK 50</u>	50 N	0.02 N
<u>FK 50</u>	50 N	0.02 N
<u>FK 50</u>	50 N	0.02 N
<u>FK 50</u>	50 N	0.02 N
<u>FK 50</u>	50 N	0.02 N
<u>FK 50</u>	50 N	0.02 N
<u>FK 100</u>	100 N	0.05 N
<u>FK 100</u>	100 N	0.05 N
<u>FK 100</u>	100 N	0.05 N
<u>FK 100</u>	100 N	0.05 N
<u>FK 100</u>	100 N	0.05 N
<u>FK 100</u>	100 N	0.05 N
<u>FK 100</u>	100 N	0.05 N
<u>FK 100</u>	100 N	0.05 N
<u>FK 100</u>	100 N	0.05 N
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<u>FK 100</u>	100 N	0.05 N
<u>FK 100</u>	100 N	0.05 N
<u>FK 100</u>	100 N	0.05 N
<u>FK 100</u>	100 N	0.05 N
<u>FK 100</u>	100 N	0.05 N

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Model name	Max. Force	Readability
<u>FK 1K</u>	1 kN	0.5 N
<u>FK 1K</u>	1 kN	0.5 N
<u>FK 1K</u>	1 kN	0.5 N
<u>FK 1K</u>	1 kN	0.5 N
<u>FK 1K</u>	1 kN	0.5 N
<u>FK 1K</u>	1 kN	0.5 N
<u>FK 1K</u>	1 kN	0.5 N
<u>FK 1K</u>	1 kN	0.5 N
<u>FK 1K</u>	1 kN	0.5 N
<u>FK 1K</u>	1 kN	0.5 N
<u>FK 1K</u>	1 kN	0.5 N
<u>FK 1K</u>	1 kN	0.5 N
<u>FK 1K</u>	1 kN	0.5 N
<u>FK 1K</u>	1 kN	0.5 N
<u>FK 1K</u>	1 kN	0.5 N

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