

PRODUCT BROCHURE

MEASURING INSTRUMENTS FK 500

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ENGLISH



Robust, digital force gauge for tensile and compressive force measurements

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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 500
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)	4045761139541
Predecessor Model	FK 500-2019a
Customs tariff number	90248000

Technical data - Primary

Max. Force	500 N
Readability	0.2 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/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	0.65 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
FK-A02	Attachments SAUTER FK-A02
AC 22R	Fine point clamp SAUTER AC 22R
AE 500	Screw Tension Clamp SAUTER AE 500
FS TKZ	Transport case SAUTER FS TKZ
AE 01	Standard Clamp AE 01
AE 05	Rope and thread tension clamp SAUTER AE 05
AE 07	Wedge Clamp with jaws AE 07

Model	Description
<u>AC 22</u>	Fine point clamp SAUTER AC 22
<u>AC 430</u>	Standard attachments AC 430
<u>AC 14R</u>	Screw Tension Clamp SAUTER AC 14R
<u>AC 01R</u>	Screw Tension Clamp SAUTER AC 01R
<u>AFM 23</u>	Sleeve SAUTER AFM 23
<u>AE 04</u>	Clamp SAUTER AE 04
<u>AE 06</u>	Cable removal clamp SAUTER AE 06
<u>AFK 02</u>	Stainless steel handle bar SAUTER AFK 02
<u>AFM 22</u>	Adapter KERN AFM 22
<u>AE 02</u>	Standard Clamp AE 02
<u>AE 03</u>	Clamp SAUTER AE 03

SERVICES

Model	Description
<u>AC 01</u>	Screw Tension Clamp SAUTER AC 01
<u>AC 14</u>	Screw Tension Clamp SAUTER AC 14
<u>FK-A02</u>	Attachments SAUTER FK-A02
<u>AC 22R</u>	Fine point clamp SAUTER AC 22R
<u>AE 500</u>	Screw Tension Clamp SAUTER AE 500
<u>FS TKZ</u>	Transport case SAUTER FS TKZ
<u>AE 01</u>	Standard Clamp AE 01
<u>AE 05</u>	Rope and thread tension clamp SAUTER AE 05
<u>AE 07</u>	Wedge Clamp with jaws AE 07
<u>AC 22</u>	Fine point clamp SAUTER AC 22
<u>AC 430</u>	Standard attachments AC 430
<u>AC 14R</u>	Screw Tension Clamp SAUTER AC 14R
<u>AC 01R</u>	Screw Tension Clamp SAUTER AC 01R
<u>AFM 23</u>	Sleeve SAUTER AFM 23
<u>AE 04</u>	Clamp SAUTER AE 04
<u>AE 06</u>	Cable removal clamp SAUTER AE 06
<u>AFK 02</u>	Stainless steel handle bar SAUTER AFK 02

Model	Description
<u>AFM 22</u>	Adapter KERN AFM 22
<u>AE 02</u>	Standard Clamp AE 02
<u>AE 03</u>	Clamp SAUTER AE 03

SPARE PARTS

Model	Description
<u>AC 01</u>	Screw Tension Clamp SAUTER AC 01
<u>AC 14</u>	Screw Tension Clamp SAUTER AC 14
<u>FK-A02</u>	Attachments SAUTER FK-A02
<u>AC 22R</u>	Fine point clamp SAUTER AC 22R
<u>AE 500</u>	Screw Tension Clamp SAUTER AE 500
<u>FS TKZ</u>	Transport case SAUTER FS TKZ
<u>AE 01</u>	Standard Clamp AE 01
<u>AE 05</u>	Rope and thread tension clamp SAUTER AE 05
<u>AE 07</u>	Wedge Clamp with jaws AE 07
<u>AC 22</u>	Fine point clamp SAUTER AC 22
<u>AC 430</u>	Standard attachments AC 430
<u>AC 14R</u>	Screw Tension Clamp SAUTER AC 14R
<u>AC 01R</u>	Screw Tension Clamp SAUTER AC 01R
<u>AFM 23</u>	Sleeve SAUTER AFM 23
<u>AE 04</u>	Clamp SAUTER AE 04
<u>AE 06</u>	Cable removal clamp SAUTER AE 06
<u>AFK 02</u>	Stainless steel handle bar SAUTER AFK 02
<u>AFM 22</u>	Adapter KERN AFM 22
<u>AE 02</u>	Standard Clamp AE 02
<u>AE 03</u>	Clamp SAUTER AE 03

RELATED ARTICLES DATA

Model name	Max. Force	Readability
<u>FK 10</u>	10 N	0.005 N
<u>FK 10</u>	10 N	0.005 N

Model name	Max. Force	Readability
<u>FK 10</u>	10 N	0.005 N
<u>FK 10</u>	10 N	0.005 N
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<u>FK 10</u>	10 N	0.005 N
<u>FK 10</u>	10 N	0.005 N
<u>FK 10</u>	10 N	0.005 N
<u>FK 10</u>	10 N	0.005 N
<u>FK 10</u>	10 N	0.005 N
<u>FK 10</u>	10 N	0.005 N
<u>FK 10</u>	10 N	0.005 N
<u>FK 10</u>	10 N	0.005 N
<u>FK 10</u>	10 N	0.005 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 25</u>	25 N	0.01 N
<u>FK 25</u>	25 N	0.01 N
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<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 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

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Model name	Max. Force	Readability
<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
<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
<u>FK 250</u>	250 N	0.1 N
<u>FK 250</u>	250 N	0.1 N
<u>FK 250</u>	250 N	0.1 N
<u>FK 250</u>	250 N	0.1 N
<u>FK 250</u>	250 N	0.1 N
<u>FK 250</u>	250 N	0.1 N
<u>FK 250</u>	250 N	0.1 N
<u>FK 250</u>	250 N	0.1 N
<u>FK 250</u>	250 N	0.1 N
<u>FK 250</u>	250 N	0.1 N
<u>FK 250</u>	250 N	0.1 N
<u>FK 250</u>	250 N	0.1 N
<u>FK 250</u>	250 N	0.1 N
<u>FK 250</u>	250 N	0.1 N
<u>FK 250</u>	250 N	0.1 N
<u>FK 250</u>	250 N	0.1 N

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Model name	Max. Force	Readability
<u>FK 250</u>	250 N	0.1 N
<u>FK 250</u>	250 N	0.1 N
<u>FK 250</u>	250 N	0.1 N
<u>FK 250</u>	250 N	0.1 N
<u>FK 500</u>	500 N	0.2 N
<u>FK 500</u>	500 N	0.2 N
<u>FK 500</u>	500 N	0.2 N
<u>FK 500</u>	500 N	0.2 N
<u>FK 500</u>	500 N	0.2 N
<u>FK 500</u>	500 N	0.2 N
<u>FK 500</u>	500 N	0.2 N
<u>FK 500</u>	500 N	0.2 N
<u>FK 500</u>	500 N	0.2 N
<u>FK 500</u>	500 N	0.2 N
<u>FK 500</u>	500 N	0.2 N
<u>FK 500</u>	500 N	0.2 N
<u>FK 500</u>	500 N	0.2 N
<u>FK 500</u>	500 N	0.2 N
<u>FK 500</u>	500 N	0.2 N
<u>FK 500</u>	500 N	0.2 N
<u>FK 500</u>	500 N	0.2 N
<u>FK 500</u>	500 N	0.2 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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<u>FK 1K</u>	1 kN	0.5 N
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<u>FK 1K</u>	1 kN	0.5 N
<u>FK 1K</u>	1 kN	0.5 N

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