SAUTER

PRODUCT BROCHURE

SAUTER FH 100 EXT

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ENGLISH



Force-measuring device with external high-resolution measuring cell for small loads

CONTACT

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Scan here for more information

DESCRIPTION

- Force-measuring device combination consisting of an external measurement sensor and a high-resolution display unit
- Ideal for force measurement of very slight forces or loads in machines and plants
- Peak-Hold function to capture the peak value or Track function for continuous display of measurement
- Push- and Pull function to capture tensile and compressive forces
- Function to set limits: Input of an upper/ lower limit value. A visual and acoustic signal supports the measuring operation, Battery charger included
- Only one measuring cell can be connected per display unit
- Suitable for all SAUTER test stands (When ordering please state which test stand you are using)

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SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	FH 100 EXT
Model-Serie	FH-S-EXT
Assortment	Sauter
Product Type	Force measurement
Product group	Digital force-measuring devices (external sensor)
Product usage type	Main article
EAN code (Model)	4045761140455
Predecessor Model	FH 100 EXT-2019a
Successor Model	FH 100 EXT-2024e
Customs tariff number	90248000
CE Label	yes
Country of Origin	CN

Technical data - Primary

Max. Force	100 N
Readability	0.05 N

Technical data - Construction

Dimension housing (W×D×H)	230×66×36 mm
Material housing	plastic
Mounting thread	External thread M6

Technical data - Display

Display type	LCD
Display digit height	10 mm
Display reverse	yes

Technical data - Power supply

Power supply	Battery & Power supply
Battery type	NiMH

Operating time (Display off)	12 h
Operating time (Display on)	10 h
Mains adapter/adapter included	CH;EURO
Protection Class	no protection class

Technical data - Measuring system

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

Technical data - Functions

Statistic-Function	yes
Hold-Function	yes
Peak-Function	yes
Limit value (Min - Max)	yes
Audible ready signal	yes
Interface	RS-232 standard

Technical data - Environmental conditions

Maximum operating temperature	40 °C
Minimum storage temperature	40 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	325×185×165 mm
Gross weight	2.4 kg
Net weight	1.00 kg
Shipping method	Parcel service
UN number	Ni-MH (UN 3496, Packing Instruction #0, Not Restricted as per Special Provision A199)
Packaging component - by weight - cardboard	210 g
Packaging component - by weight - plastics	14 g
Packaging component - by weight - styrofoam	680 g
Delivery time	1 d

Technical data - Counting data

Memory	yes
Value memory - number of groups	1
Value memory - number of cells (per group)	10

Optional Services

DAkkS calibration - push/pull	963-361
DAkkS calibration - push only	963-261
DAkkS calibration - pull only	963-161

FUNCTIONS

Standard



Option

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ACCESSORIES

Model	Description
YKA-01	Power supply KERN YKA-01
AC 01	Screw Tension Clamp SAUTER AC 01
AC 02	Stainless steel ball-shaped head SAUTER AC 02
AC 03	Clamp SAUTER AC 03
AC 12	Clamp SAUTER AC 12
AC 22	Fine point clamp SAUTER AC 22
AC 18	Clamp SAUTER AC 18
AFH 12	Adapter KERN AFH 12
YKA-02	Power supply adapter set KERN YKA-02
AC 43	Standard attachments SAUTER AC 43
FH-A01	Interface cable FH-A01
AC 01R	Screw Tension Clamp SAUTER AC 01R
AC 03R	Clamp SAUTER AC 03R
AC 11R	Clamp SAUTER AC 11R
AC 12R	Clamp SAUTER AC 12R
AC 14R	Screw Tension Clamp SAUTER AC 14R
AC 18R	Clamp SAUTER AC 18R
AC 22R	Fine point clamp SAUTER AC 22R
AE 500	Screw Tension Clamp SAUTER AE 500
AFM 05	Adapter KERN AFM 05
AFM 06	Adapter KERN AFM 06
AFM 07	Sleeve SAUTER AFM 07
AFM 12	Adapter SAUTER AFM 12
AFM 15	Sleeve SAUTER AFM 15
AE 01	Standard Clamp AE 01

Model	Description
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	Cable removal 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
AE 08	Pressure plate SAUTER AE 08

SERVICES

Model	Description
963-161	DAkkS Calibration KERN 963-161
961-161	Factory calibration KERN 961-161
961-261	Factory calibration KERN 961-261
961-361	Factory calibration KERN 961-361
963-261	DAkkS Calibration KERN 963-261
963-361	DAkkS Calibration KERN 963-361
970-105	Warranty extension KERN (+2 years) 970-105

SPARE PARTS

Model	Description
YKA-02	Power supply adapter set KERN YKA-02
FH-A03	Power Adapter KERN FH-A03
AFH 30	Removable battery AFH 30
FH-A02	Display overlay FH-A02

SOFTWARES

Model	Description
AFH LD	Data Transfer Software SAUTER AFH LD
AFH FAST	Data Transfer Software SAUTER AFH FAST