

PRODUCT BROCHURE

SAUTER FH 200 EXT

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ENGLISH



Universal digital force gauge for tensile and compressive force measurements with external load cell

CONTACT

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PRODUCT SHOWCASE



DESCRIPTION

- Turnable display with backlight
- NEW: USB interface for data transfer and power supply as standard
- Data interface RS-232 as standard
- Selectable measuring units: N, kN, kgf, tf
- Peak-Hold function to capture the peak value or Track function for continuous display of measurement
- Measuring with tolerance range (limit-setting function): Upper and lower limit adjustable, in pull and push direction. The process is supported by an audible and visual signal
- Auto-Power-Off
- Internal memory for up to 10 measurement values
- Mini Statistics Kit: calculates the average result from up to 10 stored measured values, as well as min., max., n
- Tension loops and compression plates are included in delivery
- Delivered in a robust carrying case

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code FH 200 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)	404576 1368538
Predecessor Model	FH 200 EXT-2019a; FH 200 EXT-2024a
Customs tariff number	90248000
CE Label	yes
Country of Origin	CN

Technical data - Primary

Max. Force	200 N
Readability	0.1 N

Technical data - Construction

Dimension housing (W×D×H)	240×70×40 mm
Material housing	plastic
Mounting thread	External thread M6

Technical data - Display

Display type	LCD
Display reverse	yes

Technical data - Power supply

Power supply	Battery & Power supply
Battery type	NiMH
Operating time (Display off)	40 h
Operating time (Display on)	24 h

Technical data - Measuring system

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

Technical data - Functions

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

Technical data - Environmental conditions

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

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	330×190×175 mm
Gross weight	2.2 kg
Net weight	0.90 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 - 14 g
by weight - plastics

Packaging component - 644.5 g
by weight - styrofoam

Delivery time 1 d

Technical data - Counting data

Memory yes

Value memory - number 1
of groups

Value memory - number 10
of cells (per group)

Optional Services

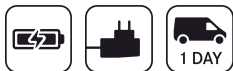
DAkkS calibration - 963-361
push/pull

DAkkS calibration - push 963-261
only

DAkkS calibration - pull 963-161
only

FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
<u>YKA-01</u>	Power supply KERN YKA-01
<u>AC 01</u>	Screw Tension Clamp SAUTER AC 01
<u>AC 02</u>	Stainless steel ball-shaped head SAUTER AC 02
<u>AC 03</u>	Clamp SAUTER AC 03
<u>AC 12</u>	Clamp SAUTER AC 12
<u>AC 22</u>	Fine point clamp SAUTER AC 22
<u>AC 18</u>	Clamp SAUTER AC 18
<u>YKA-02</u>	Power supply adapter set KERN YKA-02
<u>AC 43</u>	Standard attachments SAUTER AC 43
<u>AC 01R</u>	Screw Tension Clamp SAUTER AC 01R
<u>AC 03R</u>	Clamp SAUTER AC 03R
<u>AC 11R</u>	Clamp SAUTER AC 11R
<u>AC 12R</u>	Clamp SAUTER AC 12R
<u>AC 14R</u>	Screw Tension Clamp SAUTER AC 14R
<u>AC 18R</u>	Clamp SAUTER AC 18R
<u>AC 22R</u>	Fine point clamp SAUTER AC 22R
<u>AFM 05</u>	Adapter KERN AFM 05
<u>AFM 06</u>	Adapter KERN AFM 06
<u>AFM 07</u>	Sleeve SAUTER AFM 07
<u>AFM 12</u>	Adapter SAUTER AFM 12
<u>AFM 15</u>	Sleeve SAUTER AFM 15
<u>FS-E07</u>	Power supply KERN FS-E07
<u>AE 01</u>	Standard Clamp AE 01
<u>AE 02</u>	Standard Clamp AE 02
<u>AE 03</u>	Clamp SAUTER AE 03
<u>AE 04</u>	Clamp SAUTER AE 04
<u>AE 05</u>	Rope and thread tension clamp SAUTER AE 05
<u>AE 06</u>	Cable removal clamp SAUTER AE 06

Model	Description
<u>AE 07</u>	Wedge Clamp with jaws AE 07
<u>AC 45</u>	Force sensor SAUTER AC 45
<u>AC 46</u>	Force sensor SAUTER AC 46
<u>AC 47</u>	Force sensor SAUTER AC 47
<u>AE 08</u>	Pressure plate SAUTER AE 08
<u>FH-A04</u>	Interface cable FH-A04

SERVICES

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

SPARE PARTS

Model	Description
<u>YKA-02</u>	Power supply adapter set KERN YKA-02
<u>FH-A02</u>	Display overlay FH-A02
<u>OBB-A1569</u>	UK power supply unit KERN OBB-A1569
<u>FS-E06</u>	Cable SAUTER FS-E06
<u>FS-E07</u>	Power supply KERN FS-E07

SOFTWARES

Model	Description
<u>AFH LD</u>	Data Transfer Software SAUTER AFH LD
<u>AFH FAST</u>	Data Transfer Software SAUTER AFH FAST