

PRODUCT BROCHURE

SAUTER FH 100K

Date: 15.12.2025

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 100K
Model-Serie	FH-M-EXT
Assortment	Sauter

Product Type	Force measurement
Product group	Digital force-measuring devices (external sensor)
Product usage type	Main article
EAN code (Model)	404576 1368484

Predecessor Model FH 100K-2019a; FH 100K-2023a

Customs tariff number 90248000

CE Label yes

Technical data - Primary

Max. Force 100 kN

Readability 50 N

Technical data - Construction

Dimension housing (W×D×H) 240×70×40 mm

Material housing plastic

Mounting thread Threaded hole M30 × 2

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 kN

Tolerance (% from Max.) 0.5%

Force direction compression;tension

Technical data - Functions

Statistic-Function yes

Hold-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) 420×270×230 mm

Gross weight 13 kg

Net weight 10 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 1.3 kg

Packaging component - by weight - styrofoam 1085 g

Delivery time 1 d

Technical data - Counting data

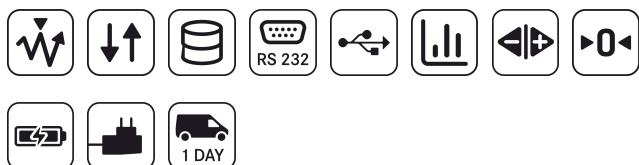
Memory yes

Value memory - number of groups 1

Value memory - number of cells (per group) 10

FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
YKA-01	Power supply KERN YKA-01
YKA-02	Power supply adapter set KERN YKA-02
FS-E07	Power supply KERN FS-E07
FH-A04	Interface cable FH-A04

SERVICES

Model	Description
961-166	Factory calibration KERN 961-166
961-266	Factory calibration KERN 961-266
961-366	Factory calibration KERN 961-366
970-109	Warranty extension KERN (+2 years) 970-109

SPARE PARTS

Model	Description
YKA-02	Power supply adapter set KERN YKA-02
AFH 30	Removable battery AFH 30

Model	Description
FH-A02	Display overlay FH-A02
OBB-A1569	UK power supply unit KERN OBB-A1569
FS-E06	Cable SAUTER FS-E06
FS-E07	Power supply KERN FS-E07

SOFTWARES

Model	Description
AFH LD	Data Transfer Software SAUTER AFH LD

RELATED ARTICLES DATA

Model name	Max. Force	Readability
FH 100K	100 kN	50 N
FH 10K	10 kN	5 N
FH 1K	1 kN	0.5 N
FH 50K	50 kN	10 N
FH 5K	5 kN	1 N
FH 20K	20 kN	10 N
FH 2K	2 kN	1 N