

PRODUCT BROCHURE

SAUTER FH 20K

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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 20K
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 1368552

Predecessor Model	FH 20K-2019a; FH 20K-2023a
Customs tariff number	90248000
CE Label	yes

Technical data - Primary

Max. Force	20 kN
Readability	10 N

Technical data - Construction

Dimension housing (W×D×H)	240×70×40 mm
Material housing	plastic
Mounting thread	threaded hole M12

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
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)	360×240×170 mm
Gross weight	3 kg
Net weight	1.6 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	743 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
911-013	Matrix needle printer KERN 911-013
YKA-01	Power supply KERN YKA-01
YKA-02	Power supply adapter set KERN YKA-02
FH-A01	Interface cable FH-A01
AFM 14	Adapter KERN AFM 14
AFM 16	Adapter KERN AFM 16
AFM 17	Thread SAUTER AFM 17
AFM 18	Thread SAUTER AFM 18
AFM 21	Thread SAUTER AFM 21
FH-A04	Interface cable FH-A04

SERVICES

Model	Description
961-164	Factory calibration KERN 961-164
961-264	Factory calibration KERN 961-264

Model	Description
961-364	Factory calibration KERN 961-364
970-107	Warranty extension KERN (+2 years) 970-107

SPARE PARTS

Model	Description
YKA-02	Power supply adapter set KERN YKA-02
AFH 30	Removable battery AFH 30
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 FD	Data Transfer Software SAUTER AFH FD
AFH LD	Data Transfer Software SAUTER AFH LD
AFH FAST	Data Transfer Software SAUTER AFH FAST

RELATED ARTICLES DATA

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