

PRODUCT BROCHURE

MEASURING INSTRUMENTS FH 100K

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ENGLISH



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

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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

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
DisplayReverse	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

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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
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

SPARE PARTS

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

SOFTWARES

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

RELATED ARTICLES DATA

Model name	Max. Force	Readability
FH 100K	100 kN	50 N
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FH 100K	100 kN	50 N

