

PRODUCT BROCHURE

MEASURING INSTRUMENTS FH 50K

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ENGLISH



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

CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

Phone : +49 7433 9933-0
Fax : +49 7433 9933-149
Email : info@kern-sohn.com
Web : www.kern-sohn.com



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PRODUCT SHOWCASE



ENGLISH

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 50K
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 1368620
Predecessor Model	FH 50K-2019a; FH 50K-2023a
Customs tariff number	90248000

Technical data - Primary

Max. Force	50 kN
Readability	10 N

Technical data - Construction

Dimension housing (W×D×H)	240×70×40 mm
Material housing	plastic
Mounting thread	Threaded hole M18 × 1,5

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
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	4.4 kg
Net weight	2.6 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	969 g
Delivery time	1 d

Technical data - Counting data

Memory	yes
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Value memory - number of groups 1

Value memory - number of cells (per group) 10

FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
FH-A04	Interface cable FH-A04
AFM 25	Sleeve SAUTER AFM 25

SERVICES

Model	Description
FH-A04	Interface cable FH-A04
AFM 25	Sleeve SAUTER AFM 25

SOFTWARES

Model	Description
FH-A04	Interface cable FH-A04
AFM 25	Sleeve SAUTER AFM 25

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 20K	20 kN	10 N
FH 2K	2 kN	1 N
FH 50K	50 kN	10 N
FH 5K	5 kN	1 N