

PRODUCT BROCHURE

SAUTER FL 1KG

Date: 29.04.2025

ENGLISH



Electronic tombstone tester for professional applications

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



Scan here for more
information

DESCRIPTION

- For testing the stability of tombstones in accordance with VSG 4.7
- Ideal for the documented certification of specialist stone-cutter companies
- Internal memory for up to 500 measurement values
- Ideal for serial measurements where the data is then transferred to a PC (in combination with the optional AFH FAST software)
- Rechargeable battery with long operating time (significantly more than 8 hours), so it is possible to use the device for a whole working day, in mobile mode
- Function to set limits: This is where you can program a stability limit value. If this limit value is exceeded, the device emits a visual signal. In this way, the measuring result does not need to be read off each time
- Stainless steel handle with rubber covering for secure handling
- Wide pressure plate with foam rubber surface, so that the tombstone does not get scratched when force is applied
- Maximum force indication (Peak Hold): The device automatically keeps the maximum force displayed
- Robust metal housing for permanent use under harsh environmental conditions
- Scope of delivery:
 - 1× FL 500/FL 1K
 - 1× AE 08
 - 1× AFH 04

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	FL 1KG
Model-Serie	FL
Assortment	Sauter
Product Type	Force measurement
Product group	Digital force-measuring devices (internal sensor)
Product usage type	Main article
EAN code (Model)	4045761149168
Customs tariff number	90248000

CE Label	yes
----------	-----

Technical data - Primary

Max. Force	1 kN
Readability	0.5 N

Technical data - Construction

Dimension housing (W×D×H)	175×75×30 mm
Material housing	aluminium
Mounting thread	External thread M6

Technical data - Display

Display type	LCD
Display digit height	8.5 mm
Display reverse	yes

Technical data - Power supply

Power supply	Battery & Power supply
Battery type	NiMH
Operating time (Display off)	10 h
Operating time (Display on)	8 h
Mains adapter/adapter included	CH;EURO
Protection Class	no protection class

Technical data - Measuring system

Units	N
Tolerance (% from Max.)	0.2%
Force direction	compression;tension

Technical data - Functions

Hold-Function	yes
Peak-Function	yes
Limit value (Min - Max)	yes
Interface	Analog (0 +/-2V);RS-232 serienmäßig;USB-Device

Technical data - Environmental conditions

Maximum operating temperature	35 °C
Minimum storage temperature	40 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	345×295×89 mm
Gross weight	2 kg
Net weight	1.8 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	285 g
Delivery time	1 d

Technical data - Counting data

Memory	yes
Value memory - number of groups	1
Value memory - number of cells (per group)	500

Optional Services

DAkkS calibration - push/pull	963-362
DAkkS calibration - push only	963-262
DAkkS calibration - pull only	963-162

FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
AFH 04	Stainless steel handle bar SAUTER AFH 04
FL-A03	Removable battery FL-A03
FL-A04	Interface cable FL-A04
RFL-3001	LCD Display RFL-3001
RFL-4001	Display overlay RFL-4001

SERVICES

Model	Description
961-162	Factory calibration KERN 961-162
961-262	Factory calibration KERN 961-262
961-362	Factory calibration KERN 961-362
963-162	DAkkS Calibration KERN 963-162
963-262	DAkkS Calibration KERN 963-262
963-362	DAkkS Calibration KERN 963-362
970-104	Warranty extension KERN (+2 years) 970-104

SPARE PARTS

Model	Description
FL-A01	Interface cable FL-A01
FL-A03	Removable battery FL-A03
DB-A01	Power Adapter KERN DB-A01
FL-A10	Power Adapter KERN FL-A10

Model	Description
RFL-2001	Main PCB RFL-2001

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
FL 500G	500 N	0.2 N
FL 1KG	1 kN	0.5 N
FL 20	25 N	0.01 N
FL 50	50 N	0.02 N
FL 5	5 N	0.002 N
FL 10	10 N	0.005 N
FL 100	100 N	0.05 N
FL 200	250 N	0.1 N
FL 500	500 N	0.2 N
FL 1K	1 kN	0.5 N