

## Tombstone tester SAUTER FG



## Fast testing of the stability of tombstones in accordance with VSG 4.7

### 1 SAUTER FA-G      2 SAUTER FL-G      3 SAUTER FS-G

- Disc plate for pressure tests
- Stainless steel handle with rubber covering for secure handling
- No electrical power supply required due to mechanical measuring system
- Real time or peak hold switch to observe transients or capture peaks by a drag indicator
- For tensile force and compressive force testing
- Scope of delivery:
  - 1 × FA 500
  - 1 × AE 08
  - 1 × AFH 04

- Ideal for the documented certification of specialist stone-cutter companies
- 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
- Robust metal housing for permanent use under harsh environmental conditions
- Scope of delivery:
  - 1 × FL 500
  - 1 × AE 08
  - 1 × AFH 04

- Can also be used outside of tombstone testing due to the internal as well as external load cell
- 3,5" touchscreen
- USB interface for data transfer and power supply as standard
- Internal device memory (16 GB)
- Tolerance function
- Track function for continuous measurement display
- Peak value measurement
- Scope of delivery:
  - 1 × FS 2-500
  - 1 × AE 08
  - 1 × AFK 02

For further details and a wide range of accessories, see Internet

STANDARD      OPTION

PEAK   
 PUSH/PULL   
 ZERO   
 1 DAY   
 ISO +4 DAYS

STANDARD

PEAK   
 PUSH/PULL   
 MEMORY   
 USB   
 ANALOG   
 UNIT   
 TOL

STANDARD

PEAK   
 SCAN   
 PUSH/PULL   
 MEMORY   
 USB   
 KCP   
 TOL

STANDARD      OPTION

ZERO   
 ACCU   
 230 V   
 1 DAY   
 SOFTWARE   
 DAkks +4 DAYS   
 ISO +4 DAYS

STANDARD      OPTION

ZERO   
 ACCU   
 230 V   
 1 DAY   
 DAkks +4 DAYS   
 ISO +4 DAYS

SAUTER	FA 500G	FL 500G	FL 1KG	FS 500G
Measuring range [Max] N	500	500	1000	500
Readout [d] N	2,5	0,2	0,5	0,1
Measuring precision of [Max]	1 %	0,2 %	0, 2%	0, 1%
Overload protection of [Max]	150 %	120 %	120 %	150 %

Option	FA 500G	FL 500G	FL 1KG	FS 500G
Option Factory calibration certificate	Tensile force	961-1610	961-161	961-162
	Compressive force	961-2610	961-261	961-262
	Tensile/Compressive force	961-3610	961-361	961-362
Option DAkks calibration certificate	Tensile force	-	963-161	963-162
	Compressive force	-	963-261	963-262
	Tensile/Compressive force	-	963-361	963-362



**Adjusting program (CAL):**  
For quick setting of the instrument's accuracy. External adjusting weight required



**Calibration block:**  
Standard for adjusting or correcting the measuring device



**Peak hold function:**  
Capturing a peak value within a measuring process



**Scan mode:**  
Continuous capture and display of measurements



**Push and Pull:**  
The measuring device can capture tension and compression forces



**Length measurement:**  
Captures the geometric dimensions of a test object or the movement during a test process



**Focus function:**  
Increases the measuring accuracy of a device within a defined measuring range



**Internal memory:**  
To save measurements in the device memory



**Data interface RS-232:**  
Bidirectional, for connection of printer and PC



**Profibus:**  
For transmitting data, e.g. between scales, measuring cells, controllers and peripheral devices over long distances. Suitable for safe, fast, fault-tolerant data transmission. Less susceptible to magnetic interference.



**Profinet:**  
Enables efficient data exchange between decentralised peripheral devices (balances, measuring cells, measuring instruments etc.) and a control unit (controller). Especially advantageous when exchanging complex measured values, device, diagnostic and process information. Savings potential through shorter commissioning times and device integration possible



**Data interface USB:**  
To connect the measuring instrument to a printer, PC or other peripheral devices



**Bluetooth\* data interface:**  
To transfer data from the balance/measuring instrument to a printer, PC or other peripherals



**WLAN data interface:**  
To transfer data from the balance/measuring instrument to a printer, PC or other peripherals



**Data interface Infrared:**  
To transfer data from the measuring instrument to a printer, PC or other peripheral devices



**Control outputs (optocoupler, digital I/O):**  
To connect relays, signal lamps, valves, etc.



**Analogue interface:**  
To connect a suitable peripheral device for analogue processing of the measurements



**Analog output:**  
For output of an electrical signal depending on the load (e.g. voltage 0 V - 10 V or current 4 mA - 20 mA)



**Statistics:**  
Using the saved values, the device calculates statistical data, such as average value, standard deviation etc.



**PC Software:**  
To transfer the measurement data from the device to a PC



**Printer:**  
A printer can be connected to the device to print out the measurement data



**Network interface:**  
For connecting the scale/measuring instrument to an Ethernet network



**KERN Communication Protocol (KCP):**  
It is a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other digital systems



**GLP/ISO record keeping:**  
Of measurement data with date, time and serial number. Only with SAUTER printers



**Measuring units:**  
Weighing units can be switched to e.g. non-metric. Please refer to website for more details



**Measuring with tolerance range (limit-setting function):**  
Upper and lower limiting can be programmed individually. The process is supported by an audible or visual signal, see the relevant model



**Protection against dust and water splashes IPxx:**  
The type of protection is shown in the pictogram cf. DIN EN 60529:2000-09, IEC 60529:1989+A1:1999+A2:2013



**ZERO:**  
Resets the display to "0"



**Battery operation:**  
Ready for battery operation. The battery type is specified for each device



**Rechargeable battery pack:**  
Rechargeable set



**Plug-in power supply:**  
230V/50Hz in standard version for EU. On request GB, AUS or USA version available



**Integrated power supply unit:**  
Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS or USA on request



**Motorised drive:**  
The mechanical movement is carried out by an electric motor



**Motorised drive:**  
The mechanical movement is carried out by a synchronous motor (stepper)



**Fast-Move:**  
The total length of travel can be covered by a single lever movement



**Verification possible:**  
Models with type approval for construction of verifiable systems



**DAkKS calibration possible:**  
The time required for DAkKS calibration is shown in days in the pictogram



**Factory calibration:**  
The time required for factory calibration is specified in the pictogram



**Package shipment:**  
The time required for internal shipping preparations is shown in days in the pictogram



**Pallet shipment:**  
The time required for internal shipping preparations is shown in days in the pictogram

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