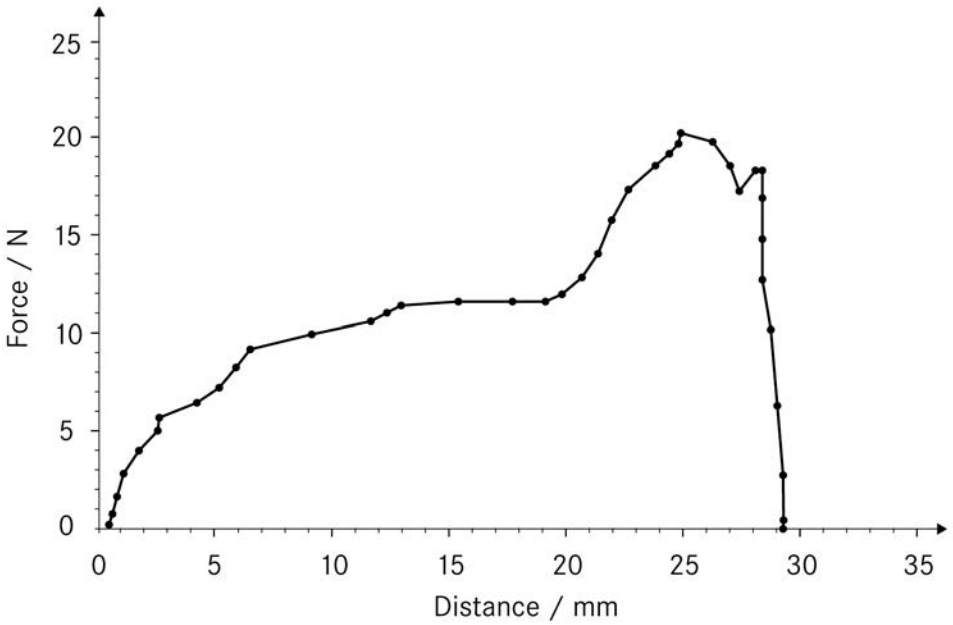
Analysis software SAUTER AFH FD




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Force-displacement analysis software for testing materials

Features

- AFH FD software is designed for all applications that require the measurement of forces, depending on the displacement. Typically these are force progression graphs in penetration tests or pullout tests
- The program simultaneously requests the measurements from a force-measuring device, e.g. SAUTER FH, as well as a length-measuring device, e.g. 1 SAUTER LB
- The measurements from both instruments are transferred continuously to the PC, synchronised by the AFH FD software and exported in the form of a graphic, as well as free data format for simple processing in Microsoft Excel
- The software AFH FD is compatible with all devices in the SAUTER FH, SAUTER FL and SAUTER LB ranges
- Other devices are not supported at this time, but may be included on request
- These measuring instruments are usually used with SAUTER test stands, in particular those from the SAUTER TVM-N range. However, it is also possible to use them with other mechanical testing machines
- Further analysis functions:
  - Dimensions of the test object
  - Tensile and compressive force
  - Load test
  - Archiving the recorded data
- 2 Scope of supply SAUTER AFH FD:
  - AFH FD software on DVD
  - User manual
  - Software licence
  - Interface cable RS-232 for LB (LB-A01)
  - Interface cable RS-232 for FH or FL (FH-A01)
- Compatible with the following operating systems: Microsoft Windows 2000/XP/Vista/7
- 3 Order example for a complete test system:
  - FH 5K. (Digital force gauge)
  - LB 300-2. (Digital length measuring device)
  - AFH FD (Force-distance evaluation software)
  - TVM 5000N230N.* (Test stand)
  - LB-A02* (Mounting LB on test stands)
  - AFH 14* (Y-USB converter cable)
  - AC 04* (Test object holder)
  - 961-163* (Force calibration)
  - 961-150* (Length calibration)

  * not necessarily required for operating the AFH FD software

STANDARD

1 DAY

Model SAUTER	
AFH FD	

Technical data

- Data recording rate max. 3 Hz (specially in combination with SAUTER FH and SAUTER LB)
- Cable length of PC connection cable (RS-232) approx. 1,5 m

Accessories

- 4 **Y converter cable,** 2 x RS-232 on USB, to connect both measuring devices to a PC or laptop via the USB interface, SAUTER AFH 14
- **PC connection cable (RS-232)** as standard, can be retrofitted, for SAUTER FH: SAUTER FH-A01 for SAUTER LB: SAUTER LB-A01

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SAUTER Pictograms:



Adjusting program (CAL):
For quick setting of the balance'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.



Data interface USB:
To connect the balance to a printer, PC or other peripheral devices.



Data interface Infrared:
To transfer data from the balance 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.



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



PC Software:
to transfer the measurements from the device to a PC.



Printer:
a printer can be connected to the device to print out the measurements.



GLP/ISO record keeping:
of measurements with date, time and serial number. Only with SAUTER printers.



Measuring units:
Weighing units can be switched to e.g. non-metric at the touch of a key. Please refer to website for more details.



Measuring with tolerance range:
Upper and lower limiting can be programmed individually, e.g. for sorting and dosing.



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.



Mains adapter:
230V/50Hz in standard version for EU. On request GB, AUS or USA version available.



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



Motorised drive:
The mechanical movement is carried out by a motorised drive.



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



ISO Calibration:
The time required for ISO calibration is shown in days 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.



Warranty:
The warranty period is shown in the pictogram.

Your SAUTER specialist dealer: