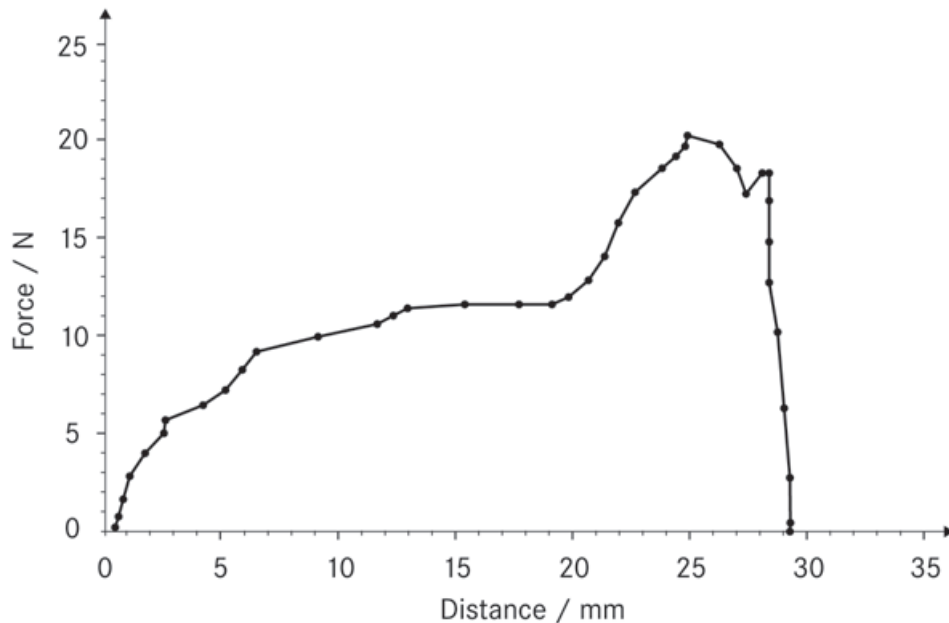# Alanysis software SAUTER AFH FD

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
  - PC connection cable LB-A01 (RS-232 zu LB)
  - PC connection cable FH-A01 (RS-232 zu FH)
- **3** Order example for a complete test system:
  - FH 5K. (Digital force gauge)
  - LB 300-2. (Digital length measuring unit)
  - AFH FD (Force-deflection software)
  - TVM 5000N230N.* (Test stand)
  - LB-A02* (Mounting LB on test stand)
  - AFH 14* (Y-USB converter)

- AC 04* (Test object holder)
- 961-163* (Force calibration)
- 961-150* (Length calibration)
 * not necessarily required for operating the AFH FD software

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

Options

- **4** **Y converter cable**, 2 x RS-232 to 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 reordered, for SAUTER FH: SAUTER FH-A01 for SAUTER LB: SAUTER LB-A01

Model	
SAUTER	
AFH FD	