Measurements 1

Data transfer software for force-displacement-measurements

Features

- AFH FD / AFH LD 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. SAUTER LB or SAUTER LD 1, 2
- The measurements from both instruments are transferred continuously to the PC, synchronised by the AFH FD / AFH LD 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 instruments of series SAUTER FC, FH, FL
- The software AFH LD is compatible with all instruments of series SAUTER FC, FH, FL, FS
- These measuring instruments are usually used with SAUTER test stands, in particular those from the SAUTER TVM-N and TVS range. However, it is also possible to use them with mechanical testing machines

SAUTER AFH LD

- Force-displacement software, but only in combination with a lenght measuring device of SAUTER LD series

- Further analysis functions:
  - Extension of the test object
  - Tensile and compressive force
  - Endurance testing
  - Archiving the recorded data
- Scope of delivery for SAUTER AFH FD / AFH LD:
  - Software AFH FD / AFH LD as download
  - User manual
  - AFH FD: RS-232 interface cable for LB (LB-A01)
- Compatible with the following operating system: Microsoft Windows 10, 11®
- 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)
  - 2× AFH 12 (RS-232/USB adapter)
  - AC 04* (Test object holder)
  - 963-163* (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)
- Data recording rate max. 25 Hz (in combination with SAUTER LD, dependent on measuring instrument)

Accessories

- Interface cable RS-232 (for SAUTER LB), SAUTER LB-A01
- RS-232/USB adapter, to connect peripheral devices with USB connection, SAUTER AFH 12

STANDARD

1 DAY