

MAIN FUNCTIONS

Measurement functions	Measurement of all types of SOFO sensors, Optical switches control, MuST Sensors, FISO Sensors, Vibrating wires, Measurement of ADAM sensors, Results storage in the SDB structure.
Display functions	Scan display, Peak positions, Sensor history graph, Sensor history table, Session overview.
Automatic and scheduling functions	Sensor measurement programming, Looped or scheduled measurements.
Long term static data acquisitions	In order to optimize the Database size and performance, the SDB is suitable for the management of long term static monitoring projects with maximal data acquisition frequencies of 6 measurements/hour (typical)

HARDWARE REQUIREMENTS

Processor	Min. Pentium III
RAM memory	Min 256 Mb
Hard Disk	Min 1 GB free
Display	Min 1024 x 768

SDB SOFTWARE SCREEN SHOT

The screenshot displays the SOFO SDB (v6.3.53) interface. The main window is titled 'SOFO SDB (v6.3.53) - TraviRS29_04_08.sdb'. It features a menu bar (File, Edit, SMARTec, Sensors, Agendas, Sessions, Measurements, View, Tools, Test, Help) and a toolbar. The interface is divided into several panes:

- Sensors:** A list of sensors including 6674, 6675, 6676, 6677, 6678, 6679, 6680, 6681, 6682, 6683, 6684, 6685, and TC_T1_B_Border through TC_T6_T.
- Agendas:** A list of agendas, currently showing 'All sensors'.
- Sessions:** A list of sessions, currently showing '29.04.2008 09:09:18'.
- Meas.:** A list of measurements, currently showing '1122 of 1122' and '1118 of 1118 (1 in S)'.
- History - Sensor: 6674:** A graph showing 'Measurement [mm]' vs 'Date [days]' with a red line plot. Below the graph is a table of data points.
- Measurement:** A window showing a single measurement value: 'Value: 322.089 [ps] = -0.107 [mm]'.
- Session Overview:** A table showing sensor data for the current session.

Red arrows point from labels on the left to the corresponding windows in the screenshot:

- Sensor list:** Points to the Sensors pane.
- Agenda list:** Points to the Agendas pane.
- Measurement plot:** Points to the History - Sensor: 6674 graph.
- History window:** Points to the History - Sensor: 6674 table.
- Measurement:** Points to the Measurement window.
- Session overview:** Points to the Session Overview table.

SOFTWARE REQUIREMENTS

SDB software requires Windows 98™, Windows 2000, Windows NT™, XP, Vista to run. Microsoft Excel™ and Microsoft Access™ are recommended to export the data for further analysis and representation, but are not required to run SDB.