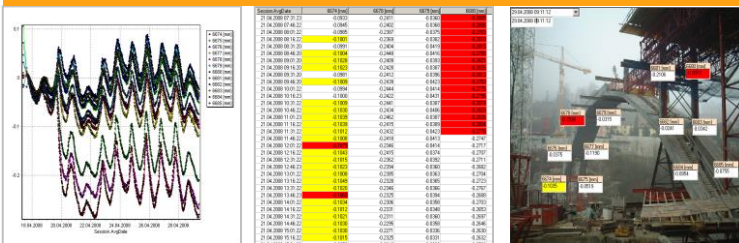


# 20.1020 SDB VIEW

## Plug-in for SDB Software



### GENERAL DESCRIPTION

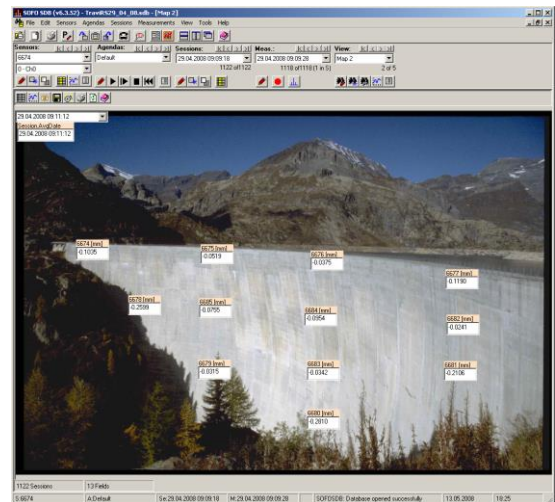
SDB View is part of the SDB suite. It enables navigation within a measurement database SDB generated by all SMARTEC monitoring systems: SOFO reading unit, MuST, SOFO optical switches, ADAM Modules, Vibrating wire, Macro sensors and other data acquisition devices.

### TECHNICAL DESCRIPTION

SDB View provides a simultaneous display, within the same window, of several different views on sensors chosen from the database over a defined monitoring period. The display can be of a tabular or a graph plot with associated options such as thresholds plot, colors and sounds on alert, software actions on alert (e-mail, SMS).

The data output can either be generated as a screen display or stored in a file (format txt, html, XML, wmf, bmp, jpg, Excel, etc.), with the option of manual or automatic display, hence allowing the generation of automatic reports that exploit the update of links. Tables, graphs and maps can be easily published on a web-site for immediate access by authorized users.

SDB View allows not only the management of warning states in the form of pre-warning and warning thresholds but also, triggers a corresponding and user-defined action like displaying a message sound on alert, generate a phone call or send e-mail.



### FEATURES

- SDB compatible
- Automatic data export
- Display of measurements at different points on the picture of the structure
- Graphic and table history display of selected sensors over selected period
- Real time data visualization
- Pre-warning and warning alert levels
- SMS, e-mail, software action on alert
- Save the results in HTML, XML format
- Data publication on FTP site
- Fully compatible with all SMARTEC monitoring systems and sensors

## SDB VIEW SOFTWARE SCREENSHOT

The screenshot displays the SDB View software interface for 'Map Arch bridge'. The interface includes a menu bar, a toolbar, and several panels:

- Sensors Panel:** Lists sensors 6674 through 6685. Red arrows point to this panel from the labels 'Sensor List' and 'Map View with colors coding for pre-warning and warning'.
- Map View:** A 3D visualization of the bridge structure with sensor locations marked. Red arrows point to this view from the labels 'Map View with colors coding for pre-warning and warning' and 'View List'.
- SOFD Sens Graph Panel:** A line graph showing sensor data over time. Red arrows point to this panel from the labels 'Tab View with colors coding for pre-warning and warning' and 'Plot with pre-warning and warning thresholds'.
- New View Panel:** A data table showing sensor readings. Red arrows point to this panel from the labels 'Tab View with colors coding for pre-warning and warning' and 'View List'.

Session.AvgDate	6674 (mm)	6678 (mm)
29.04.2008 05:01:22	-0.0919	-0.2587
29.04.2008 05:16:23	-0.0942	-0.2596
29.04.2008 05:31:23	-0.0927	-0.2591
29.04.2008 05:46:23	-0.0952	-0.2616
29.04.2008 06:01:23	-0.0950	-0.2638
29.04.2008 06:16:22	-0.0951	-0.2621
29.04.2008 06:31:22	-0.0948	-0.2658
29.04.2008 06:46:22	-0.0946	-0.2659
29.04.2008 07:01:23	-0.0975	-0.2671
29.04.2008 07:16:22	-0.0987	-0.2653
29.04.2008 07:31:22	-0.0982	-0.2671
29.04.2008 07:46:22	-0.0993	-0.2688
29.04.2008 08:01:23	-0.1023	-0.2688
29.04.2008 08:16:23	-0.1001	-0.2688

## HARDWARE AND SOFTWARE REQUIREMENTS

SDB View requires SDB software plus a hardware key provided by Smartec.