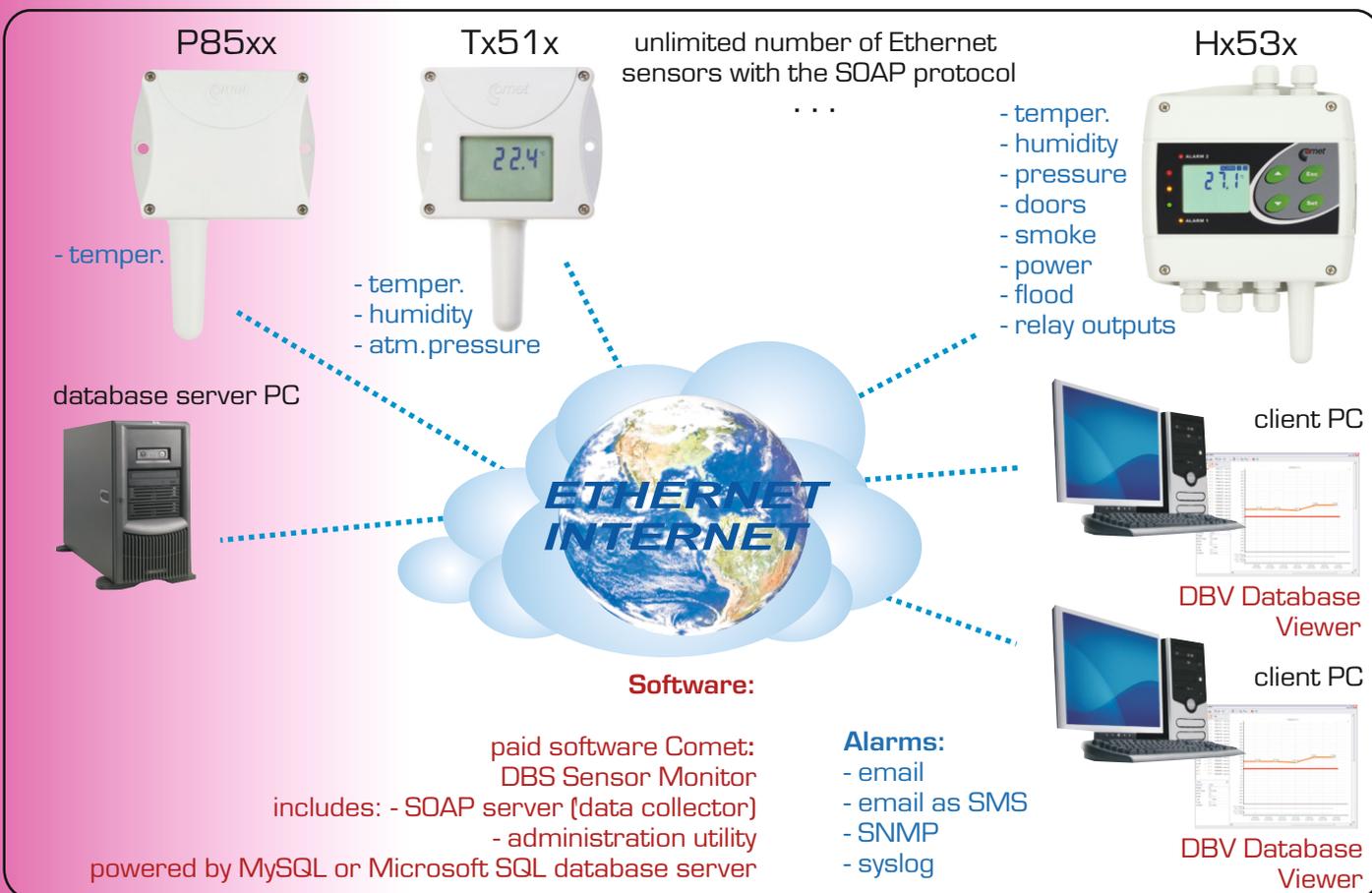


ONLINE MONITORING SYSTEM WITH SENSORS CONNECTED TO ETHERNET- DBS Sensor Monitor

New

Easy creation of online data acquisition system from Ethernet temperature, humidity, pressure sensors by using low cost database software Comet **DBS Sensor Monitor**.



Database program DBS Sensor Monitor for online data acquisition and analysis from Comet sensors is a client-server data acquisition system.

It contains all necessary components for monitoring of sensors, incl. one licence of DBV Database Viewer.

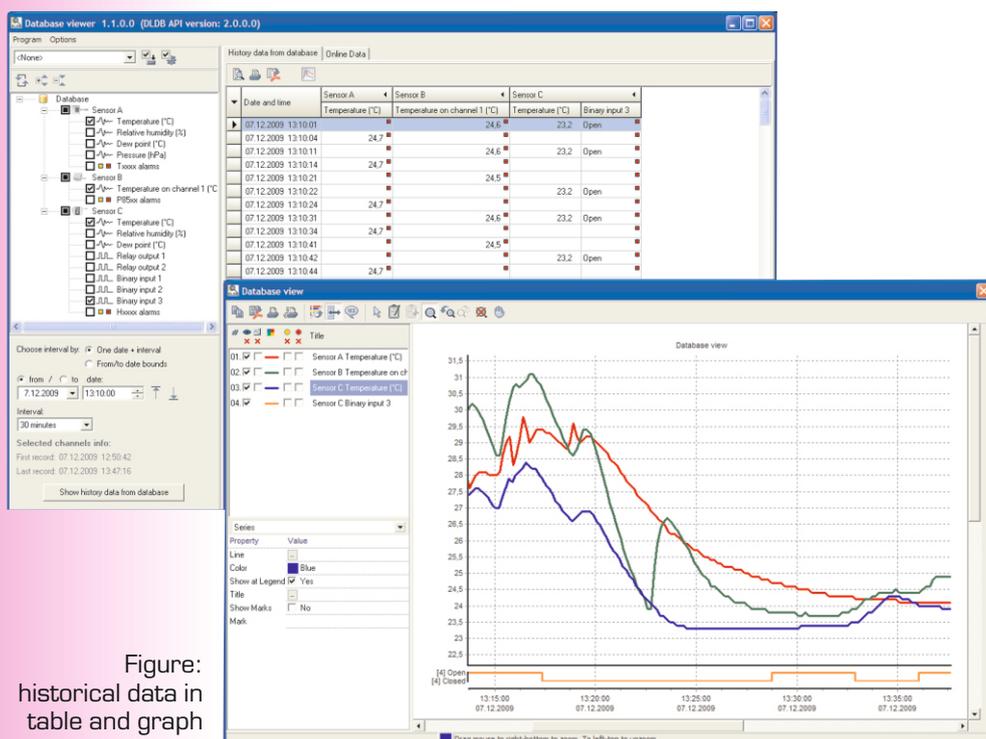


Figure: historical data in table and graph

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System enables i.a.:

- * Data acquisition from Comet sensors connected to Ethernet or sensors connected via modem to GSM network.
- * To view selected channels from any Comet sensor together with selected channels of other Comet sensors (i.e. comparing/monitoring of values from different measurement points).
- * Measurement from different Comet devices is possible to combine in one table or graph.
- * To present data (temperature, humidity, pressure, binary state, etc.), alarm status.
- * To choose any time interval for analysis.
- * Print, export to PDF - table and graph. Export to other formats for subsequent processing.
- * Online visualization of actual values and alarms.
- * Online graphic visualization of measurement in curves. I.e. graph presenting actual data e.g. for last hour. The length of history is selectable. Graph is automatically updated.
- * Compression of on-line data
 - optimizes data storing
 - in usual use reduces volume of recorded data down to 4%
 - speeds up recorded data viewing
 - database server is not overloaded even after long term operation

The advantage is a simple system expanding:

- * Connection of sensors is very easy thanks to the used communication protocol SOAP. Needed is only to enter server address and connect sensor to intranet/ethernet.
- * It is possible to build large data acquisition system. SOAP protocol is commonly used in internet. Data acquisition from sensors located anywhere in the world is enabled.
- * System can be expanded with other and other devices without any charge. Buying DBS Sensor Monitor enables to capture data from unlimited number of sensors - 2, 10 or 100 sensors.
- * Low cost browsers DBV Database Viewer can be bought in successive steps as necessary. It enables several clients to view database from different places on network/internet.

Administration of system enables i.a.:

- * To name device in database (e.g. „sensor at warehouse“).
- * To backup database.
- * To diagnose error states.
- * To administrate user accounts. DBV Database Viewers use for connection to database read-only accounts. Database is thus protected against damage by unauthorized person.

System is based on stable and world-wide popular freeware platform MySQL or Microsoft SQL.

System installation and administration is simple. Instruction Manual guides installation of the system step by step, including all needed freeware.

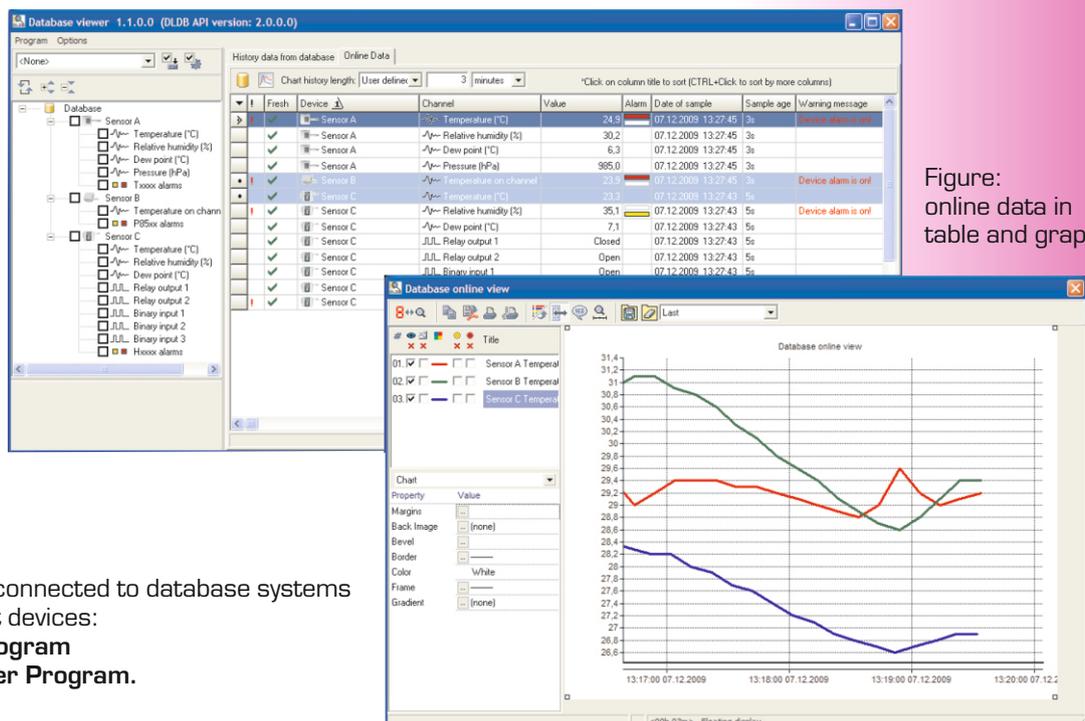


Figure: online data in table and graph

System can be connected to database systems for other Comet devices:

- DBL Logger Program**
- DBM MS Logger Program.**