

TESTO solutions

## The measurement data monitoring system testo Saveris in pharma and hospitals



### Improved patient care, increased security.

In clinics and hospitals, temperature and humidity values have the highest priority. The safety and health of the patient is always in the forefront. Medicines and blood products, for example, need defined constant temperatures, in order not to spoil. Life support systems, on the other hand, must be protected from too low air humidity, which can lead to malfunctions. At many sites, ambient values are still recorded manually or semi-automatically. Fully automatic systems, however, are no longer a luxury. A measurement data monitoring system such as testo Saveris automates the entire measurement procedure. testo Saveris measures and stores the temperature and humidity values, summarises them into tabular or graphic

reports and alarms those responsible for quality as soon as upper or lower limit values are violated.

### testo Saveris offers you a number of further advantages:

- Monitoring of temperature and humidity values according to the legal specifications and the standards for quality and safety (e.g. EN 12830, HACCP, FDA CFR 21 Part 11),
- Improved patient care thanks to the release of clinic staff from organisational tasks,
- Cost reduction and more energy efficiency thanks to precise, uninterrupted and norm-compliant monitoring of temperature and ambient conditions.

## The application

### Temperature monitoring – stationary and mobile.

Temperature and humidity monitoring is significant in various areas of a hospital. An emphasis of the measurement data monitoring system testo Saveris is temperature monitoring in laboratories, dispensaries, on wards, during treatment and in the field of care. Numerous clinics are already using testo Saveris today. Typical areas of application are:

- Temperature monitoring in deep-freezers and refrigerators for medicines, vaccines, laboratory samples, blood products or tissue samples;
- Temperature and humidity monitoring in waiting rooms, operating theatres, intensive care units, post-anaesthesia care units, clean-rooms etc;
- Temperature monitoring in kitchens (refrigerators/deep-freezers) as well as in food transport;
- Monitoring of water temperatures, e.g. in order to avoid legionella growth;
- Temperature and humidity monitoring outside hospitals, e.g during the transport of foods, medicaments, blood products etc.

## The solution

### Easy to operate, efficient and malfunction-proof.

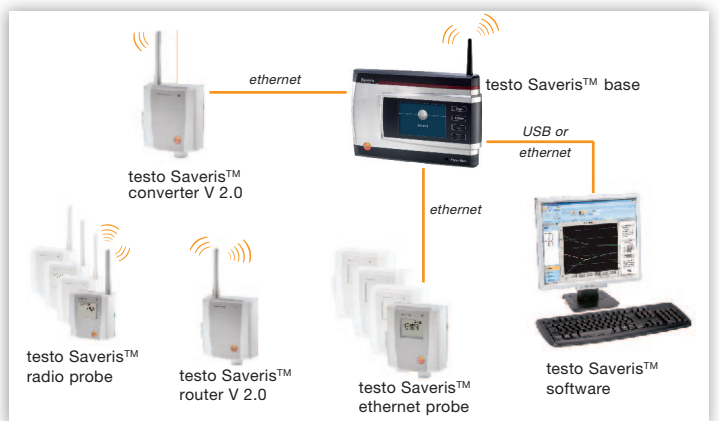
Among the advantages of the measurement data monitoring system testo Saveris are the automated monitoring of measurement parameters such as temperature and air humidity, the different alarm options (SMS, e-mail, LED), as well as the possibility of recording and centrally documenting measurement data over large distances. Daily, weekly and monthly reports in PDF format provide those responsible with a fast overview of extreme values, mean values, number of measurement values etc. The wide selection of probes covers a temperature range from -200 °C to over +1000 °C. testo Saveris is easy to install and to operate. Ambient values and battery status can be read from the display in the probe at any time. At a measurement rate of 15 minutes, the batteries have a life of roughly three years. The probes are calibrated ex-works, as confirmed by a calibration report. The testo Saveris base station offers connection possibilities for up to 150 probes, provides alarms by LED or SMS, and has an emergency rechargeable battery. It can store up to 40,000 measurement values, corresponding to a storage capacity of approximately one year (measurement rate: 15 minutes). The Saveris software is available in three different versions. The CFR version fulfils the requirements of the FDA 21 CFR Part 11 and is thus validatable.



Continuous registering of the temperature in food distribution



Temperature monitoring of medicaments in the hospital pharmacy



Overview of the monitoring system testo Saveris and its components

### Testo Limited

Newman Lane, Alton, Hampshire, GU34 2UR  
 Email: [saveris@testo.co.uk](mailto:saveris@testo.co.uk)    [www.testolimited.com](http://www.testolimited.com)