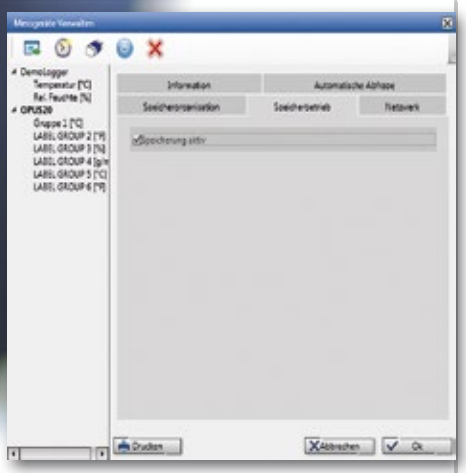
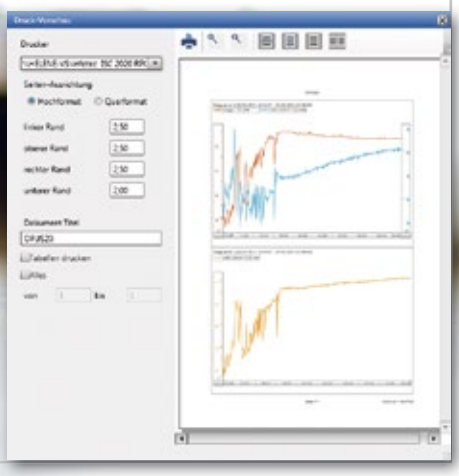
When it comes to evaluation, have the works!

With the aid of powerful software, hand-held measuring devices are turning into archives.

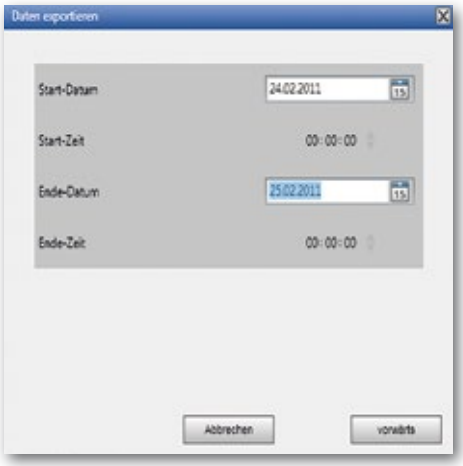
Smart-Graph3

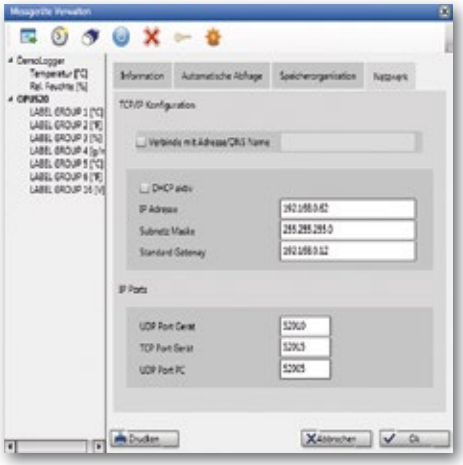




Software SmartGraph3 for Lufft Hand-held Devices and OPUS20-Series

Represen-tation and Evaluation



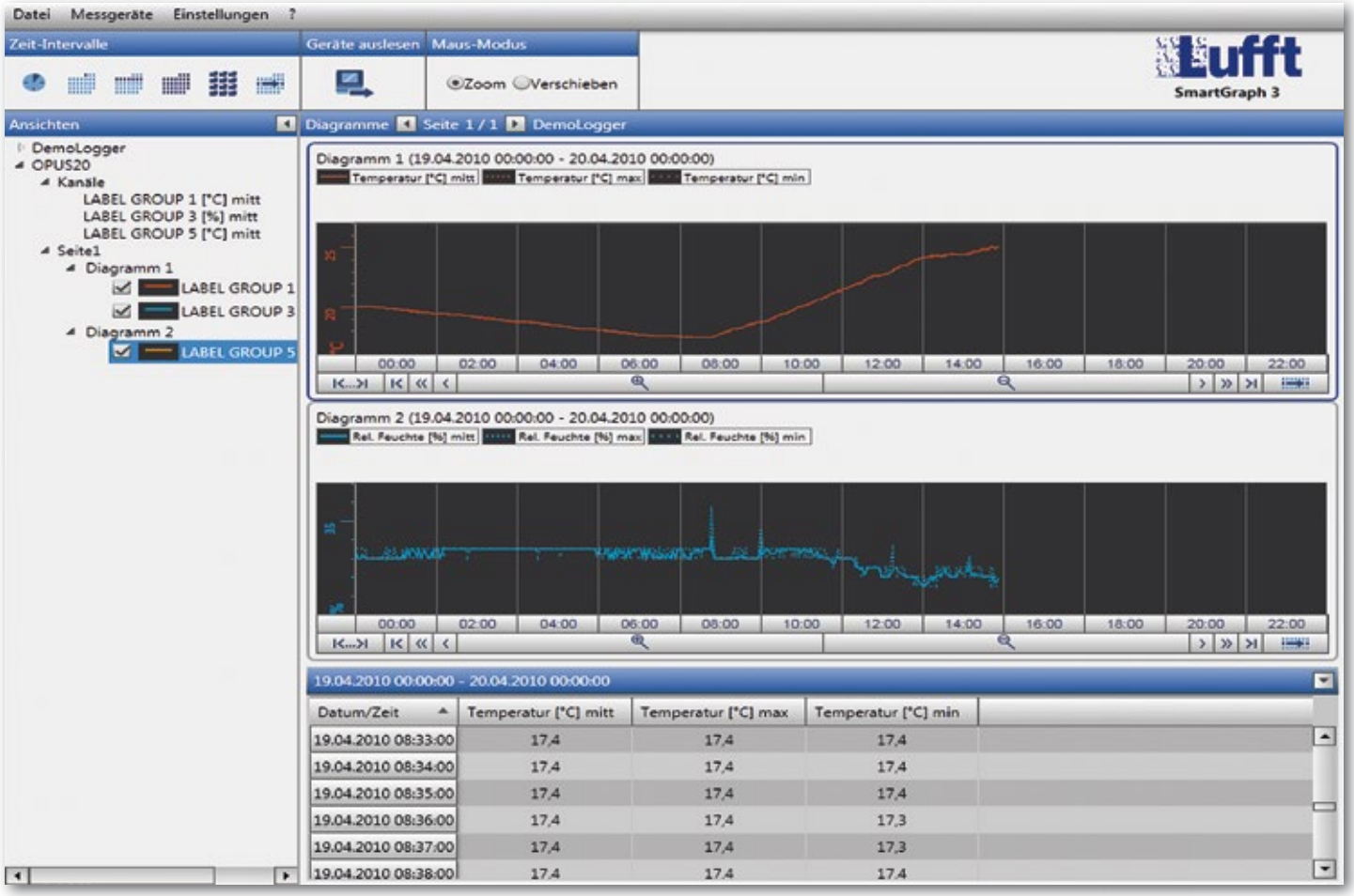


SmartGraph3 for OPUS20-Series

- An OPUS20 datalogger is automatically recognised and added as a “network device”.
- In addition to its data-readout function, the software possesses a recording mode that enables parallel recording to be displayed on the computer.
- The data from any desired number of OPUS20 devices can be read out simultaneously.
- The zoom function allows for quick analysis of critical time periods.
- The exporting of measured data in csv format enables it to be imported into Excel.
- The device configuration can be printed out in order to check installation parameters.
- Alarm limits – like the measured data – are chronologically managed at various times so that when changes in alarm limits occur, they can be retraced.
- Automatic data readout of all measured data is supported.

SmartGraph3 for Hand-held Measuring Devices

- A Lufft hand-held measuring device is automatically recognised and added by means of a USB interface.
- In addition to its data-readout function, the software possesses a recording mode that enables parallel recording to be displayed on the computer.
- The zoom function allows for quick analysis of critical time periods.
- The exporting of measured data in csv format enables it to be imported into Excel.
- Different measurement campaigns are archived in their respective accounts.
- All measurements recorded by the hand-held measuring device (also calculated values) are transfered to SmartGraph3.



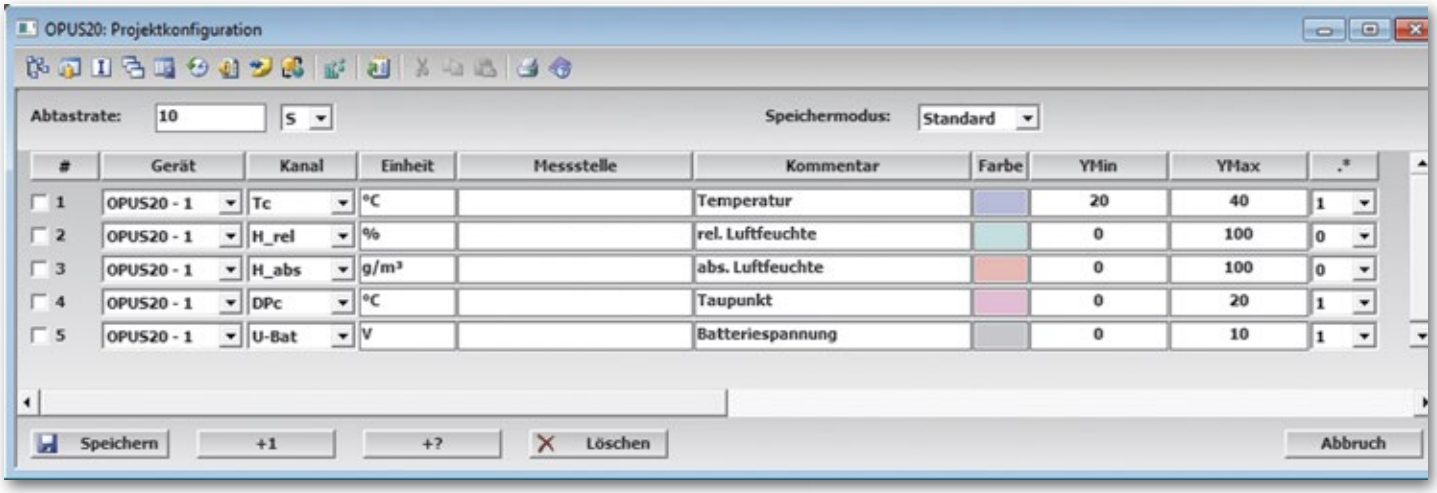
Represen-
tation and
Evaluation

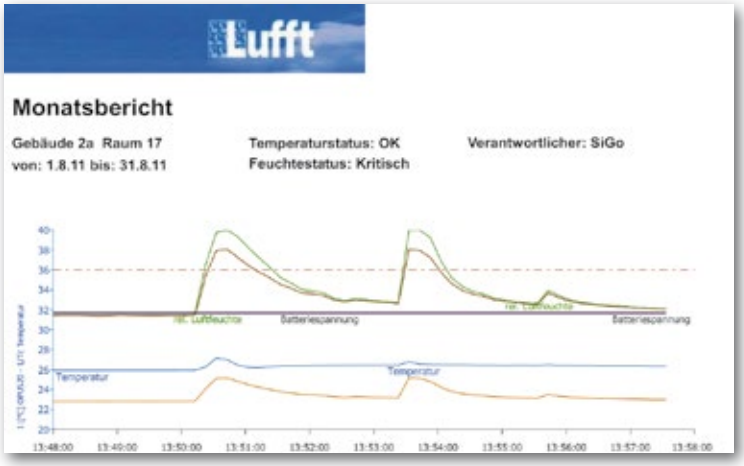
Software MCPS7 for Lufft OPUS20-Series

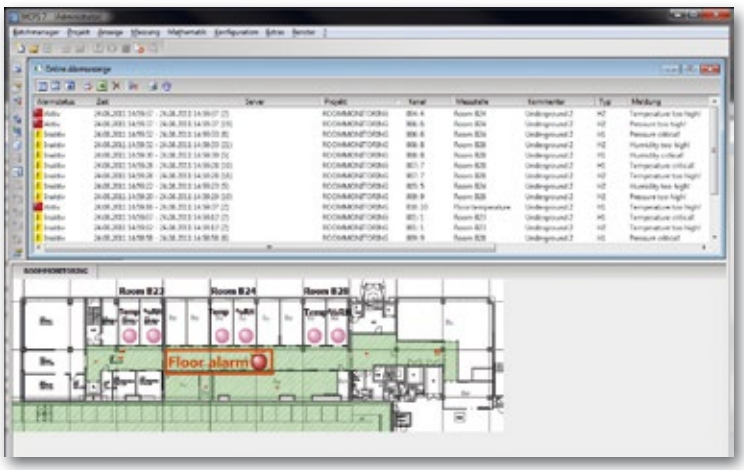
No place for coincidence. Anyone who records data in real time should not be satisfied with an "off the rack" solution only. Lufft has never done this and never will.

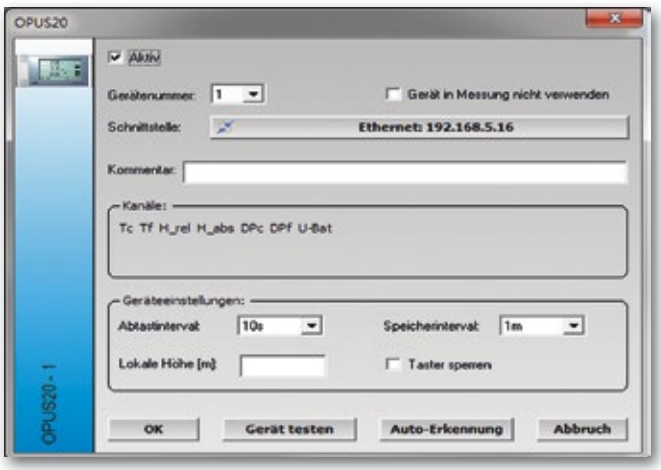
We have even put a lot of thought into the representation and evaluation of your measured data, and have developed special software that offers users numerous advantages and possibilities.

Data errors can be reduced to a minimum by means of clear processing and representation.



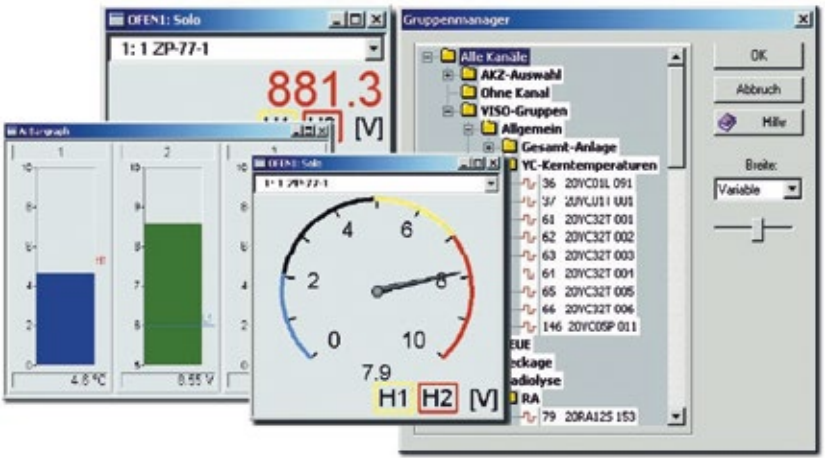


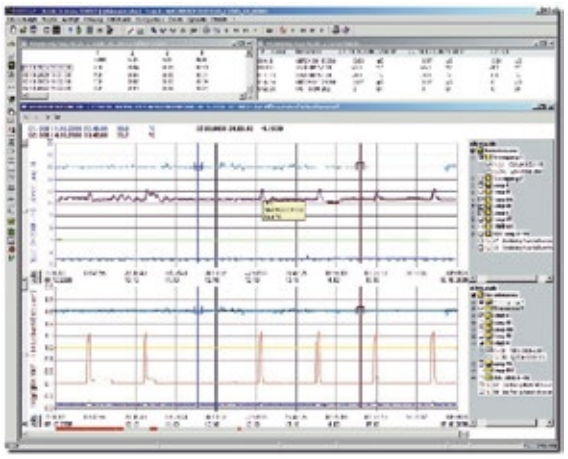




Software MCPS7
for Lufft OPUS20-Series

Representation and Evaluation





For Lufft the "User-Interface" is the icing on the cake, and for the user it's the intuitive access to all functions.

Centralized Representation

Measurements are, to some extent, recorded every second: average values accumulate in the data logger, minimum and maximum values are observed, raw data is transferred to the central computer. Recording data in real time means that you have a large amount of data administration and at the same time have to arrange various measuring categories and points in a clear fashion. Some users are only interested in particular rooms, others want to have an overview of the particle sensors.

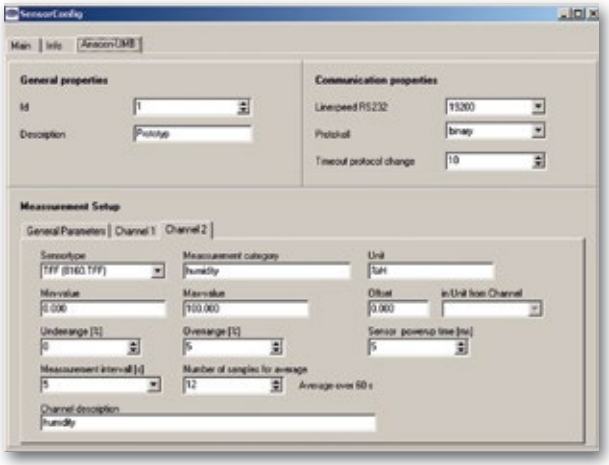
Consequently, a standard representation setup is simply insufficient. Instead of this, user-specific software is necessary such as MCPS7, which enables the free configuration of graphic or numeric representation, or bar graphs; thus allowing you to incorporate and present comparable measuring categories in the same diagram.

In addition, MCPS7 has an integrated web server that visualises all the defined diagrams and places them in the intra-/extranet for other users. All you need is a password from the administrator.

Evaluation

The manual and automatic data export in the ASCII format offers the user additional advantages that exceed those of a standard display. There is also the possibility to define several formulae in MCPS7. In addition to this, daily, monthly and annual reports offer a simple overview of the trends of the measured values. Furthermore, so-called MKT calculations supply special information – such as the median values of recorded temperature data (Mean Kinetic Temperature) – which is required in the pharmaceutical industry.

Finally, in the audit trail of the MCPS7 package (21CFR compliant) all events are recorded: from system start and end, to user administration, changes to the device configuration, alarm messages plus confirmation text, the log-in and out of users, as well as sensor breakages and system crashes.



The software configuration of a sensor permits the flexible construction of a monitoring network design. The logger can incorporate many sensors; with configuration, the sensor is made acquainted with the flexible data acquisition module.