

PRESS RELEASE INTELLIGENT DATALOGGER

Fellbach, Germany – Lufft, producer of high-quality electronic measurement systems for climate and environmental measurement technique, complete its products range for measurement data collection thanks to the **OPUS200/300 - Intelligent Datalogger**.

The hardware is based on a so-called „risk-sharing-technology“ i.e., the complete system consists of independent 2-channel-modules which communicate with each others via a CAN-Bus. Each module has its own memory, its own micro-processor and its real-time clock unit (synchronizing via data-bus) which guarantees a reliable performance and the best security against power breakdown. Isolated modules are also available (as option). Due to the low power consumption, an OPUS200 system can be operated with power supply as well as solar energy

Universal digital and analog inputs allow the OPUS200 to measure current, voltage, frequency and pulses as well as to operate with temperature probes like PT100, PT1000 and any kind of thermo-elements. Each module is equipped with an RS232 interface which enables the connection to an Intelligent Road Sensor. The measurement and storing interval can be configurated separately for each channel; up to 10 measurement values per second can be collected.

Two relais whose function is to give out an alarm when the threshold values are reached, are integrated in each OPUS200-module. The „i-version“ has in addition a current-output (0 to 20 mA or 4 to 20 mA).

Data are transmitted via RS232, GSM or phone.

The evaluation software SmartControl for Windows allows nearly every visualization functions. The user can configurate his own work-station according to his needs. Many other calculations can be additionally included. Thanks to the RS232 interface, central and remote (e.g. process-control) visualizations can be carried out at the same time.

The OPUS200/300 makes everything possible: the combination with any type of sensors as well as the collection of a lot of various parameters. This high-precise 24-Bit-System offers the user a very high and flexible visualization software which allows online as well as offline applications. Digital data records are now replacing the good old paper documents.

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