



More than **sensors + automation**



Application

# Clean room monitoring



# Clean room monitoring with JUMO – the efficient way to monitor climate

With our high-quality instruments, you can measure, monitor and document the parameters of your clean room simply and safely.

## **How to save time and money, thanks to perfect humidity and temperature measurement:**

If you want to be able to ignore external influences when producing sensitive products, you need reproducible climatic conditions in your clean room. With the capacitive hygrothermal transducers of the 907027 series, you can stipulate humidity and temperature with just one instrument. Intelligent, interchangeable probes with internal calibration data storage and a calibration report, allow the sensors to be changed within seconds if required, without any loss of accuracy. Probes for humidity and temperature can be supplied separately and used, together with the calibration keys integrated in the instrument, to implement the loop calibration recommended by the FDA (Food and Drug Administration). Useful accessories such as 2.5 or 10 m long sensor extensions, a duct installation kit or reference probes for checking the measuring loop, increase flexibility, ease of installation and reliability.

## **How to always be on the safe side with convenient pressure control:**

Reliable pressure monitoring and control is vitally important to the functioning of a clean room. The prevailing positive pressure prevents foreign particles of any kind getting into the clean room. The pressure and differential pressure transmitter for clean room applications is designed for the relevant measuring ranges, and allows you to record even the smallest fluctuations in pressure.

## **How to keep reliable data recording always up-to-date:**

Our LOGOSCREEN series of paperless recorders helps you to record, monitor and optimize your data. For example, you will immediately be notified by an e-mail of any error or failure.

## **The advantages to you, in a nutshell,**

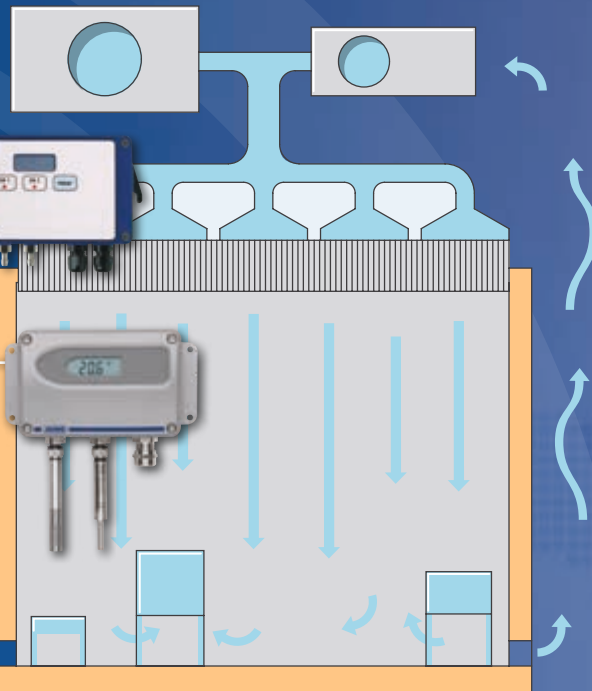
are that with solutions from JUMO that are specifically designed for a clean room, you have every aspect of clean room monitoring under your control – you achieve reproducible conditions, stay flexible and also reduce your maintenance costs.



**JUMO LOGOSCREEN 700**  
Type 706530



**Capacitive hygrothermal transducer with intelligent, interchangeable probes**  
Type 907027



## JUMO hygrothermal transducer - capacitive, with intelligent interchangeable probes

A feature of the hygrothermal transducer is that its measurement probes can be interchanged within seconds. Because the calibration data is stored in the probe, probes can be exchanged without any loss of accuracy. High-precision calibration procedures and state-of-the-art microprocessor technology also ensure that measurement is reliable and highly accurate. The usual 0 - 1 V, 0 - 5 V, 0 - 10 V voltage outputs, or 4 - 20 mA (2-wire) current outputs are available to you as output signals, and temperature scaling can be customized at the factory to your required range. There is an integrated LC display option that allows the alternate display of current humidity and temperature values, directly on the instrument. The sturdy metal housing is particularly suitable for a clean room, as it does not have many edges or corners. Cable entry is at the rear, making it possible to cover the routing of the connecting electric cable.



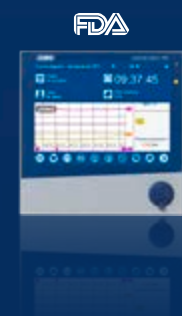
## JUMO pressure and differential pressure transmitter

The type 404304 pressure and differential pressure transmitter is suitable for recording the positive, negative and differential pressures of non-aggressive gases. The transmitter is adjustable and can be fitted with limit contacts and an LC display, as options.



## JUMO LOGOSCREEN 700

The JUMO LOGOSCREEN 700 paperless recorder is characterized by a simple, intuitive operation. This is ensured by the operating and visualization concept that is based on symbols. A high level of scalability level allows the device to be easily adapted to various customer requirements: from a device version without a measurement input through to device versions with up to 18 measurement inputs, 3 analog outputs, 18 digital inputs, 24 individually switchable digital inputs/outputs, and 7 relay outputs.





[www.jumo.net](http://www.jumo.net)

