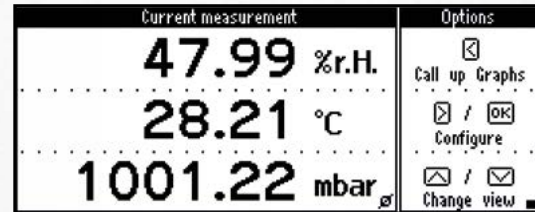




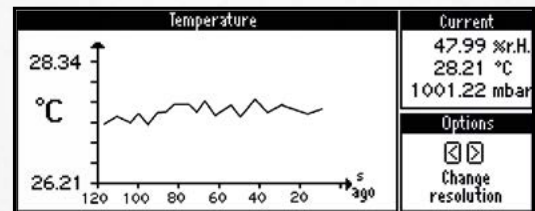
Room condition monitor RCM 890

Measuring transmitter and display for humidity, temperature and pressure

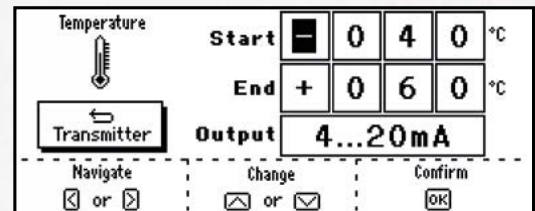
Our multi-talented system for room monitoring



Current values



Graphical display of trends



Configuration of the transmitter



Applications

Marine industry

The simultaneous detection of the ambient humidity, temperature and pressure in the engine or machine room guarantees safe and reliable operation of the ship's engine.

In addition to engine diagnosis and condition-based maintenance, the maximization of the efficiency of engines in a wide range of climate conditions plays a key role. The EU-RO Type Approval provides classification for use in the machine room and confirms the conformity to the regulations of the standard EU classification societies.



Chemical and pharmaceuticals industry

In the chemical and pharmaceuticals industries, the demands placed on the quality of the raw materials and end products are particularly high. It is important to record the ambient parameters in order to optimally monitor and control the relevant processes. In the case of materials quick to bind water, the air humidity plays a key role and has to be monitored permanently.

Electrical and electronics industry

The drier the air, the faster and stronger the electrostatic charges are that occur. For this reason, consistent ESD protection has become indispensable in many manufacturing facilities. The reliable recording of room temperature and humidity is necessary for the optimum control of the air humidity.



Material testing

Modern material testing methods can be used to determine exactly whether materials have the required properties and quality.

To make the test results reproducible, it is important to know the room temperature, humidity and ambient pressure, in addition to the use of highly sensitive measuring instruments.



Data processing centres

The efficient ventilation and cooling of server rooms can significantly reduce operational costs. The generation of regenerative cooling by evaporative cooling offers an additional savings potential.

To control these processes, it is necessary to know the ambient conditions, such as the temperature and humidity.

Storage

Wherever products and goods are stored or items are archived, it is essential to avoid damage caused by moisture, such as the development of mould or corrosion.

The reliable measurement of the ambient conditions in the room is indispensable for the operation of dehumidification systems.



Compliance with processes and determination of conditions

Production, storage and laboratory processes often depend on compliance with the ambient conditions. In this respect, the main influencing variables are temperature, humidity and air pressure. Accurate recording and direct visualization offer you the opportunity to capture and control the necessary conditions.

The goal is to ensure the quality of your processes and products, and to increase the efficiency and availability of your systems and machines. The RCM 890 helps you achieve this with the proven SIKA durability - Made in Germany

RCM 890

In combination with the digital SIKA Multisensor E03, the RCM 890 room condition monitor simultaneously monitors the ambient humidity, temperature and pressure at a single measuring point. The robust measuring system is designed especially for use under extreme ambient conditions.

The tried-and-tested 3-channel standard signal transmitter enables reliable signal transmission to control and feedback control systems. The permanent monitoring of the operating state guarantees safe and reliable operation.

Features

- **Digital multi-sensor system** → Simultaneous detection of humidity, temperature and pressure at a single measuring point
- **Integrated 3-channel transmitter** → Easy integration into your system with standard signal
- **Graphical trend display of all parameters** → Intuitive recognition of process parameters and trends
- **Robust mechanical structure** → Reliable and durable operation, also under high mechanical stress
- **Excellent accuracy** over the entire measuring range
- **Replaceable filter** provides protection against dust and dirt



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