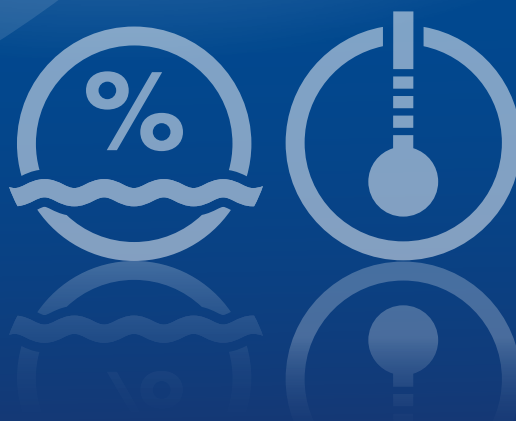# JUMO hydroTRANS H50

Humidity and temperature sensor for industrial applications

Top features at a glance

- Long operating life through sensor coating

- Minimal downtime due to replaceable probes

- Easy reading of process data from the display with integrated data logger function

- Heated sensor for high-humidity applications

- Calibration certificate included in the scope of delivery

Type 907055

Brief overview

The JUMO hydroTRANS H50 is a convincing solution even in areas with high levels of moisture or chemical contamination thanks to highly accurate as well as stable temperature and humidity measurements. Its broad application area of -80 to +180 °C and its ability to measure pressures of up to 300 bar not only allows it to handle a wide range of measurement tasks, but also reduces equipment costs due to an integrated data logger.

Other advantages

→ Suited for a wide range of industrial humidity measurements

→ High-precision measurement

→ Flexible connection options

→ High degree of process reliability due to optional alarm outputs

→ Avoiding condensation on the sensor

→ Automated cleaning during operation

Areas of application

→ Food and beverage (drying processes)

→ Thermoprocess technology (drying processes)

→ Renewable energy (fuel cell)

Technical data

Product name	JUMO hydroTRANS H50
Product designation	Humidity and temperature sensor for industrial applications
Type	907055
Temperature range	-80 to +180 °C
Humidity range	0 to 100 % RH
Accuracy	0.95 % RH
Pressure range	0 to 300 bar
Interfaces	Modbus, 4 to 20 mA, 0 to 10 V
Alarm outputs	Optional extra
Display	Color display with data logger function

Application example: baking oven

PR 90068 EN/V1

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