

# Temperature-, Humidity- and Air pressure Sensors with/without signal input 7205 to 7210



Sensors for environment monitoring for GUDE appliances with RJ45 sensor port

The sensors **7205** to **7210** are external temperature, humidity and air pressure sensors, which optionally have two additional integrated signal inputs. With the combined sensors, the corresponding ambient values are measured and evaluated simultaneously.

Commissioning is quickly done for all sensors: the small plastic housings are simply connected to a free RJ45 sensor connection of a GUDE product using a LAN cable. They are automatically recognised by the product, no further settings are required.

Instead of a permanently connected cable, an RJ45 socket is integrated. This allows the sensors to be connected with a shielded LAN cable up to 40 m long. For monitoring purposes, ideal positioning near the installation can thus be realised without much effort. Often, already laid cables can be used for this purpose.

For installations where the polling of NO/NC devices such as smoke detectors, leakage or door contact sensors is also desired, the sensors **7207** to **7210** have two integrated signal inputs.



View of the **temperature, humidity, air pressure** sensor with **two signal inputs**

## Features

- Temperature, humidity, air pressure sensor
- Optionally with 2 passive signal inputs
- Sensor is automatically recognised (plug-and-play)
- Connection via existing LAN cable possible
- Maximum cable length: up to 40 m
- All GUDE devices with RJ45 sensor connection are supported
- Developed and produced in Germany

## Technical details

- Connection: RJ45 socket
- 2 passive signal inputs, industrial terminal, 3-Port
- 2 LEDs for status indication of the signal inputs
- Sensor housing: plug-in plastic shells
- LxWxH: 4.2 x 2.0 x 3.5 cm
- Weight: approx. 29 g

## Measuring range

- Operating temperature: -20 - 80 °C
- Storage temperature: -20 - 70 °C
- Relative humidity: 0 - 95 % (non-condensing)
- Measurement accuracy:

| Temperature range | typical | maximum |
|-------------------|---------|---------|
| -20 - 80 °C       | ±1 °C   | ±2 °C   |

| Humidity range | typical |
|----------------|---------|
| 0 -100 %       | ±3 %    |
| 10 - 80 %      | ±2 %    |

| Air pressure range | typical  |
|--------------------|----------|
| 300-1100 hPa       |          |
| -20 - 0 °C         | ±1.7 hPa |
| 0 - 65 °C          | ±1 hPa   |

### Supported product series

- ☒ Expert Power Control
- ☒ Expert PDU Energy
- ☒ Expert Transfer Switch
- ☒ Expert Net Control
- ☒ Expert Sensor Box

| Order no. | Product                                            | Features                                                                                |
|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------|
| 7205      | Temp.-, humidity sensor 7205                       | RJ45 connection, -20°C to +80°C, 0-100% humidity                                        |
| 7206      | Temp.-, humidity, air pressure sensor 7206         | RJ45 connection, -20°C to +80°C, 0-100% humidity, 300-1100 hPa                          |
| 7207      | Signal Sensor 7207                                 | RJ45 connection, 2 passive signal inputs                                                |
| 7209      | Temp.-, humidity, signal sensor 7209               | RJ45 connection, -20°C to +80°C, 0-100% humidity, 2 passive signal inputs               |
| 7210      | Temp.-, humidity, air pressure, signal sensor 7210 | RJ45 connection, -20°C to +80°C, 0-100% humidity, 300-1100 hPa, 2 passive signal inputs |



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