

sT.02

Temperature Transmitter

Reliable temperature measurement for your EMS

The **sT.02** is a temperature transmitter suitable for accurate and reliable measurement needs of dedicated sectors.

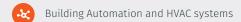
The measurement data is available on the **RS-485 Modbus** output which eliminates the measurement problems that may arise from transferring analog signals on the field, provides advantages in installation and commissioning, reduces the cost of wiring.

sT.02 has an optional on-site alarm generation function which avoids logging delays in case of an event occurs. This function can be enabled / disabled remotely.





Areas of Use



? Pharmaceutical industry

Food and beverage industry

Precision agriculture

(!) Laboratories / Test chambers

(1) Humidifiers / Dehumidifiers

Technical Specifications



| General | | | |
|-----------------------------------|---|--------------------|------------|
| Measuring Values | Temperature | | |
| Output Type | RS485 Modbus RTU | | |
| Temperature Measurement | | | |
| Measuring Range | -20+90 °C | | |
| Accuracy | ± 0.2 °C @ -10+80 °C typ. | | |
| Resolution | 0.1 °C | | |
| LongTerm Drift | < 0.04 °C / yr | | |
| Mechanical | | | |
| Enclosure | ABS plastic | | |
| Probe | Stainless Steel 304 | | |
| Probe Connection | Fixed to the box / with Cable | | |
| Filter Type | PC body, PTFE membrane | | |
| Cable Gland | PG7 suitable for cable dia 3 to 6.5 mm | | |
| Protection Class Enclosure | IP65 | | |
| Protection Class Probe | IP40 | | |
| Enclosure Dimensions | 82 x 80 x 56mm | | |
| Installation Type | Duct / Wall / DIN Rail | | |
| Dimensions | Ф: 15mm L: 30 / 150 / 200 / 300 / 400mm | | |
| Outputs | | | |
| Туре | Digital , isolated 2w RS | 485 | |
| Protocol | Modbus RTU | | |
| Slave ID | 1-128 | | |
| Baud Rate | 9600 156000 bps | | |
| Max Nodes on BUS | 128 | | |
| Parameter Setup | Via RS485 (Serial number, Location, Device name, Slave ID, Filter constants, Alarm limits, Calibration parameters etc.) | | |
| Isolation | RS485 Output isolated | from Supply Voltag | e & Sensor |
| Electrical | | | |
| Supply Voltage | 18 35 VDC | | |
| Current Consumption | 40 mA max @ 24 VDC | | |
| Electrical Protection | Reverse polarity | | |
| Environmental | | | |
| Measured Media | Air | | |
| Working Temperature for Enclosure | -20 +60 °C | | |
| Working Conditions for Probe | 0 95 %rH non Condense & -20+90 °C | | |
| Storage Temperature | -20 +60 °C | | |
| CE Certification | CE conformity , electromagnetic compatibility according to EN 61326 , EMC directive 2004/108/EC | | |
| Order options | | | |
| | sT.02.[alarm].[install].[probe conn].[probe lenght] | | |
| [alarm] | [0] - Without alarm [1] - With alarm | | |
| | | | |

[02] - with Cable

[03] - 200 mm

[06] - Custom specified

[02] - 150 mm

[05] - 400 mm

[01] - Fixed to the box

[01] - 30 mm

[04] - 300 mm

[probe connection]

[probe lenght]