

Model TH-200

Humidity and temperature transducer
For general applications

Materontek
Sensing and Internet of Things

Features

- Measurement within the entire range from 0 to 100% RH
 - Temperature-resistant up to 125°C (depending on probe type)
 - Outstanding accuracy and stability
 - Output 4...20mA, DC0...10V, RS485, etc.
 - The latest integrated temperature and humidity measurement technology.
- The machine has excellent performance and excellent long-term stability.
- This series of transmitter adopts professional wall mounted installation mode, which is convenient to use and output standard current signal. It is suitable for most industrial control equipment.



Application

- HAVC, greenhouse and medical chemical industry.

Technical data

| Performance | |
|-------------------------------|--|
| Measuring range [temperature] | 0~+50°C, 0~+100°C, -20~+60°C, -20~+80°C, -40~+60°C, -40~+80°C, -40~+100°C, -40~+125°C, |
| Measuring range [humidity] | 0~100%RH |
| Accuracy | ±0.4°C@25°C, ±3%RH @25°C |
| Operating temperature [host] | -20 to 60°C, 0 to 60°C (with LCD display) |

| Electrical @25°C | |
|--------------------|--|
| Output | 4~20 mA(3-wire), DC0...10V(3-wire), RS485(4-wire) |
| Power supply | DC12~24V |
| Response frequency | ≤2Hz |
| Response speed | the temperature is 10°C per step, the humidity is 10%RH per step, and the gas flow rate is 0.1m/s. 15s (No filter), 35~55s (whit filter) |

| Physical Specifications | |
|-------------------------|------|
| Housing | ABS |
| Protection | IP65 |

The listed specifications and dimensions are subject to change without prior notice

Ordering code

| Model | Range | Output | Power | Display | Probe |
|--------|--------------|------------------|-------------|--------------------|------------------------|
| TH-200 | A 0~+50°C | 1 4~20mA/3 wire | S1 24VDC | L without display | 0 ABS/PE plastic probe |
| | B 0~+100°C | 2 0~10VDC/3 wire | S2 12~24VDC | N with LCD display | |
| | C -20~+60°C | 3 RS485/4 wire | | | |
| | D -20~+80°C | | | | |
| | E -40~+60°C | | | | |
| | F -40~+80°C | | | | |
| | G -40~+100°C | | | | |
| | H -40~+125°C | | | | |

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Installation

