

F2000TSM-TH

Temperature & Humidity Transmitter

CE-Approval



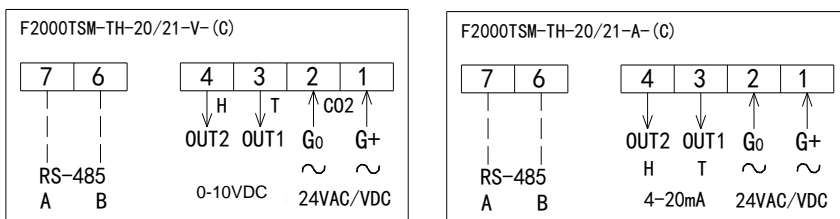
□ Features

- ◆ Designed for transmit relative humidity measurement and temperature measurement.
- ◆ Provide up to 2x0~10VDC/4~20mA/0~5VDC outputs for humidity and temperature measurements
- ◆ Humidity output is automatically corrected over the full range of operating conditions
- ◆ Arbitrary point setup of temperature and humidity measurement modification
- ◆ Modbus RS485 communication is optional
- ◆ Wall mounting with the smart structure

□ Specifications

	Temperature	Relative Humidity
Sensing element:	Digital Temp.&RH combined sensor	Digital Temp.&RH combined sensor
Measuring range	0°C~50°C(32°F~122°F) (default)	0~100%RH
Accuracy	±0.5°C (20~40°C)	±4.5%RH (20%-80%RH)
Stability	±0.04°C per year	<0.5%RH per year
Storage environment	10~50°C(32°F~122°F)/ 20~60%RH	
Connection	Screw terminals	
Set measurement zone	The zero and the end can be set via Modbus	
Housing/IP Class	PC/ABS fireproof material/IP 40	
Output	0~10VDC(default) or 4~20mA (selectable by jumpers) 0~5VDC (selected at place the order)	
Power supply	24VAC/VDC±10%	
Power cost	≤2W	
Resistance permitted	≤500Ω	
Net weight	180g	
Dimensions	(W)100mm×(H)80mm×(D)28mm	
Installation standard	65mm×65mm or 2"×4"wire box	
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□ Wiring Diagrams



□ Models Information

Model	Description
F2000TSM-TH-M100	1Xanalog linear output for temperature measurement.
F2000TSM-TH-M100-RH	1Xanalog linear output for RH measurement.
F2000TSM-TH-M101	1Xanalog linear output for temperature measurement. Modbus RS485 interface.
F2000TSM-TH-M101-RH	1Xanalog linear output for RH measurement. Modbus RS485 interface can read temperature and RH measurements..
F2000TSM-TH-M200	2Xanalog linear outputs for temperature and RH measurements
F2000TSM-TH-M201	2Xanalog linear outputs for temperature and RH measurements. Modbus RS485 interface.
F2000TSM-TH-M001	Modbus RS485 interface for temperature & RH measurements.

Postfix 1: type of output signal

- V 0~10VDC (default)
- A 4~20mA
- V5 0~5VDC (not be changed)

Postfix 2: temperature scaling

- T05:** 0°C~50°C (32°F~122°F) default (without the postfix indicates the default)
- T06:** 0°C~60°C (32°F~140°F)
- T26:** -20°C~60°C (-4°F~140°F)

For example: F2000TSM-TH-M100-V5-T06 indicates the transmitter with 1X 0~5VDC output, and the temperature scaling is 0~60C.

F2000TSM-TH-M200-A indicates the transmitter with 1X 4~20mA output, and the temperature scaling is the default (0~50°C).

□ **Mounting**

