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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				

H solo con RS485

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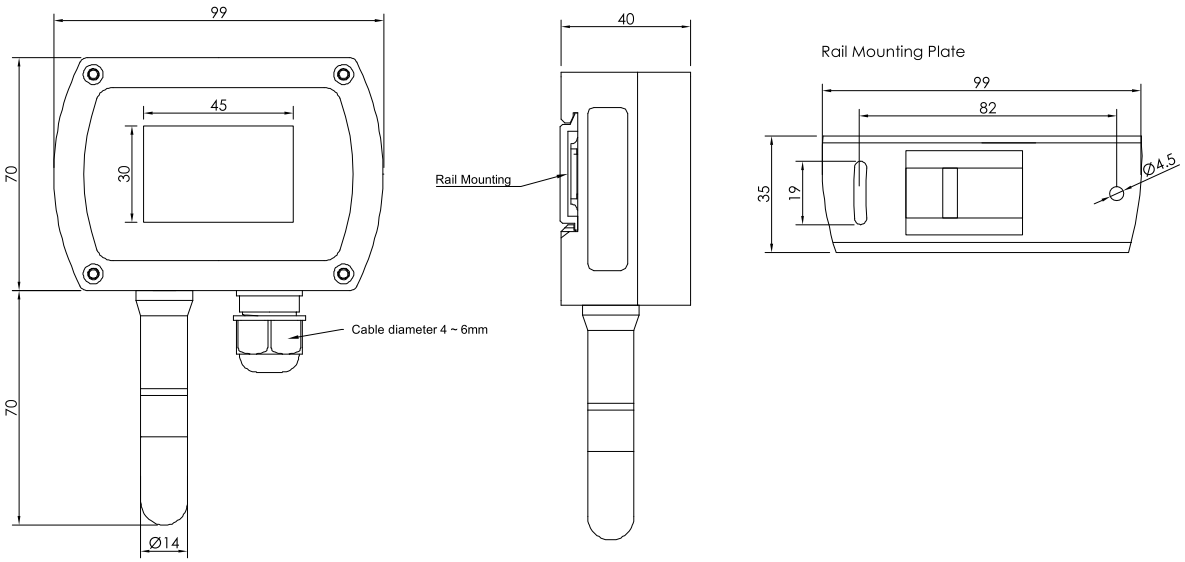
Installation



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