Model TH-105

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 120°C(depending on probe type)
- ❑ Outstanding accuracy and stability
- ❑ Output 4...20mA,DC0...5V,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, -20~+80°C, -40~+60°C, -40~+120°C,
Measuring range [humidity]	0~100%RH
Accuracy*	±0.3°C@25°C, ±3%RH @25°C
Operating temperature [host]	-20 to 60°C, 0 to 60°C(with LCD dispaly)

Electrical @25°C	
Output	4~20 mA, DC0...5V, DC0...10V,RS485
Power supply	DC12~36V
Switch value	< 2A / 30VDC (0.5A/125VAC)
Maximum switching current	2A

Physical Specifications	
Housing	ABS
Protection	IP65

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

Ordering code

Model	Range	Output	Switch	Display	Probe
TH-105	**A** 0~+50°C	**1** 4~20mA	**A** No switch function	**L** without display	**0** ABS plastic probe
	B -20~+80°C	**2** 0~5VDC	**B** Two-way switch output (only for RS485 output)	**N** with LCD display	**1** Metal probe
	C -40~+60°C	**3** 0~10VDC			
	D -40~+120°C	**4** RS485			

Installation

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