



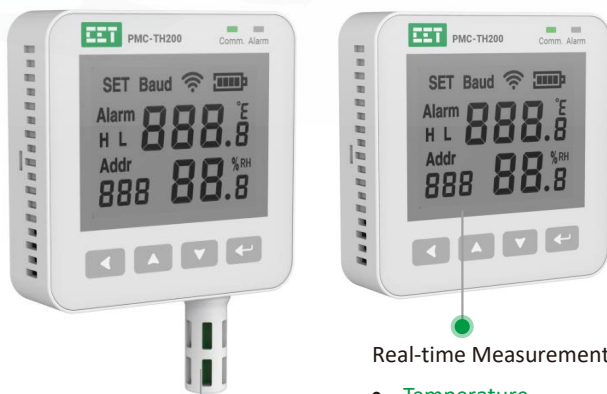
PMC-TH200

Temperature & Humidity Sensor

Overview

The PMC-TH200 Temperature and Humidity sensor is CET's latest offer for Temperature and Humidity monitoring for the Commercial and Industrial markets. Housed in a compact form factor measuring only 86x86x25mm, the PMC-TH200 is perfectly suited for installation in space-restricted environment. In addition to the option with external sensor, we also offer an option that adopts the Built-in temperature and humidity sensor to measure the temperature and humidity in the air. With a standard RS-485 port, it is widely used in data center computer rooms, factory workshops, municipal buildings, laboratories and other places requiring accurate temperature and humidity measurement and rapid response.

Device Appearance



External Sensor:

Response time $\leq 25s$

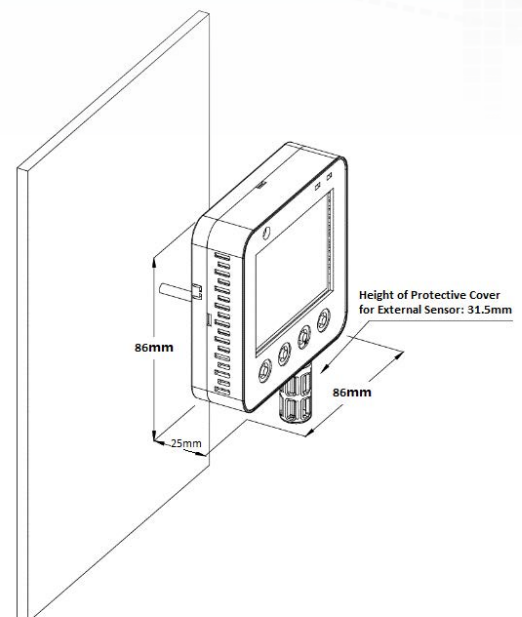
Real-time Measurements:

- Temperature
- Humidity
- Dew Point Temperature

Parameter Setup:

- RS-485 (Unit ID & Baud Rate)
- Temperature and Humidity Alarm Limits

Installation and Dimensions



Features

- LED indicators for Alarm and Communications
- Real-Time measurements of Temperature, Humidity and Dew Point (DP) Temperature
- Standard with external Temperature and Humidity sensor
- Optional Built-In Temperature and Humidity sensor
- User-defined Setpoints for Temperature & Humidity Warning and Alarm levels
- Optically isolated RS-485 port at 1,200 to 38,400 bps with Modbus RTU protocol support
- Intuitive user interface for real-time measurements and setup

Applications

- Industrial and Commercial Temperature & Humidity Monitoring
- Building, Factory and Process Automation
- Communication Center and Data Center

Technical Specification

Power Supply

Standard	24VDC
Burden	$\leq 1W$

Measurement Range

Temperature	-25°C to 80°C
Humidity	0 to 100%RH

Accuracy

	Temperature	Humidity
Option A	$\pm 0.2^{\circ}C @ 25^{\circ}C$	$\pm 2\%RH @ 60\%RH, 25^{\circ}C$
Option B	$\pm 0.3^{\circ}C @ 25^{\circ}C$	$\pm 3\%RH @ 60\%RH, 25^{\circ}C$

Communications

Type	RS-485, Maximum distance < 2000m
Protocol	Modbus RTU
Baudrate	1200/2400/4800/9600/19200/38400bps

Environmental Condition

Operating Temperature	25°C to 70°C
Storage Temperature	-40°C to 85°C
Humidity	5% to 95% non-condensing
Atmospheric Pressure	70 kPa to 106 kPa
Pollution Level	2

Mechanical Characteristics

Unit Dimensions	86x86x25mm
Protective Cover for	31.5mm (Height)
External Sensor	
Mounting	Wall-mounted
IP Rating	IP51
Material	Flame Retardant ABS
Flame Retardant grade	V0

Contact Us

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