

EK-YTH Temperature & Humidity Sensor



Features

- Long Term Stability
- Fast Response
- Modbus Interface
- Rack Mounted

The EK-YTH is a temperature and humidity sensor designed for use in indoor applications to monitor room temperature and humidity. This model can be mounted in the server rack.

Fast Measurement

Fast temperature and humidity measurement in a fast changing environment are critical for data centers.

EK-YTH uses the latest in temperature and humidity ICs. Its new membrane filter speeds up the RH measurement.

DCIM & BAS Interface

With standard Modbus RTU protocol, EK-YTH supports most leading DCIM and BAS applications. A wide range of baud rates and addresses are provided. The device may be installed on the same communication port with other Modbus devices.

Specifications

Humidity

Measurement Range	0 to 100%RH
Accuracy	+/- 1%RH
Long term stability	<1% RH/y

Temperature

Measurement Range	-20 to 70°C
Accuracy	+/- 0.5°C
Long term stability	<0.1°C/y

Communications

Protocol	Modbus RTU
Type	RS485
Baud rate (User Selectable)	2400,4800, 9600(default), 19200bps
Start bit	1 bit
Parity	None
Addresses	1 to 247

General

Operating Temperature	-20 to 70°C
Storage Temperature	-20 to 70°C
Material	ABS plastic
Power Supply Voltage	5 to 28VDC
Supply Current	5mA
Dimensions	
Length	70mm
Diameter	18mm