



TEMPERATURE & HUMIDITY SENSOR

Model: THS-90R



Your reliable ambient temperature & humidity sensor

PRODUCT OVERVIEW

PICOBOX **Temperature & Humidity Sensor (THS – 90R)** is designed to measure both ambient temperature & humidity levels of a room or a single enclosure. The compact unit housed an analog output of 4 to 20mA with noise filter and operating on a DC voltage of 12V.

Its dedicated IC sensor provides linear and accurate measurement. THS – 90R works as a companion product with an Environment Monitoring System (EMS) device, where you could monitor temperature & humidity levels remotely via SMS/Email alert sent from the device when levels falls out of the expected range.

SMS / EMAIL ALERT



Leverage on EMS devices such as PICOBOX Message Master 4000's SMS or Email alert capabilities to monitor the fluctuation of temperature & humidity contents. Mount the base plate of THS – 90R on any flat, dry surface and secure the cover. Install it ideally in the middle of a room or centralized area for maximum accuracy measurements. Connect THS – 90R to the EMS device's digital input connector and specify the required temperature measurement range and associated accuracy. THS-90R will trigger an SMS / Email notification to the user through the EMS device with configurable response time.

APPLICATIONS

THS-90R is specified for maximum accuracy measurements of +/- 0.5°C and +/- 5% RH. It can be mounted on any dry surface, on a flat interior wall or above suspended ceilings and be used in typical areas like:

Some typical areas:

- Data Centers
- Computer / Server Rooms
- Telecommunication cabinets
- Research / Medical Laboratories
- Hospitals
- Green House
- Weather Stations
- Generator Room
- Commercial Buildings
- Educational Institutions

FEATURES

- Durable & Compact ABS plastic chassis
- Reliable & low maintenance
- Wide DC voltage
- 4 to 20mA Analog output that comes with noise filter
- Accuracy measurement of +/- 0.5°C and +/- 5% RH

SPECIFICATION

Chassis	: ABS plastic
Power	: DC 12V
Interface	: 3 wire (1 Power, 1 Temperature, 1 Humidity)
Output	: 4 – 20mA, with noise filter
Dimension	: 85(l) x 100(w) x 20(h) mm
Accuracy	: +/- 0.5°C, +/- 5% RH
Range	: 0 - 50°C, 0 – 100% RH

In the interest of product development, specifications are subject to changes without prior notice

Authorised Distributor/Reseller