

# THS100MD

## TEMPERATURE AND HUMIDITY SENSOR



### INTRODUCTION

The THS100MD precision temperature and humidity sensor adopt the advanced Swiss Sensiron integrated chip design scheme, which is an integrated intelligent monitoring module used for ambient temperature and humidity measurement. This product is featured by direct visual display, high precision, low cost, aesthetic appearance, easy installation and high stability.

It applies to the temperature and humidity monitoring by the government, electric sector, army, bank, telecommunication sector, education sector, hospital, airport, railway, factory, hotel, warehouse, and transport sector.

### FEATURES

- ✓ Built with the Swiss Sensiron high-precision integrated digital temperature and humidity chip
- ✓ With LCD screen for visual display and easy operation
- ✓ Anti electromagnetic interference
- ✓ Measurement reading will not be affected by the components heat on the PCB
- ✓ Power supply reversed polarity protection
- ✓ Easy to install and maintenance

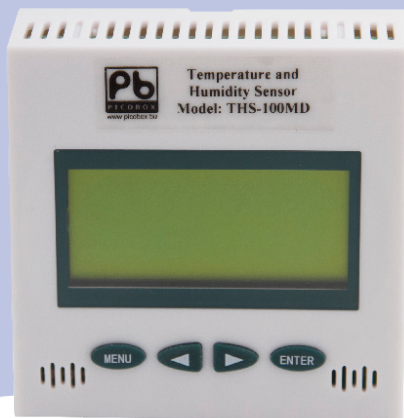


Leverage on EMS devices such as Picobox REX, with SMS or Email alert capabilities to monitor the fluctuation of temperature and humidity readings. Install ideally in the center of a room away from air condition/heater for maximum accuracy measurements. Connect the THS100MD via RS485 Modbus Serial and set the specific required temperature/humidity measurement range and associated accuracy. THS100MD will notify the users via SMS/Email through an EMS device with configurable response time.

## TECHNICAL SPECIFICATION

Working Voltage	12-24V DC
Connection Interface	RS485
Measuring Range	-20-70 DegC, 0-100%RH
Accuracy	+/-0.3 DegC, +/- 3%RH
Modbus Connection	2 wired Modbus RTU 1-247 configurable ID slave 1200, 2400, 4800, 9600(default), 115200 Baud Rate 8 Data bits, None Parity & 1 Stop bit
Dimension	86x86x34mm
Mass	100g
Material	ABS Plastic

## PHYSICAL LAYOUT



Front view



Back view



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