Technical Datasheet Temperature & Humidity Sensor with Wi-Fi

This is a highly accurate grade Temperature and Humidity sensor that can be connected to DC power source of 5 - 12 V directly. It's a probe-based sensor for temperature and humidity measurement. Additionally, it would have a Modbus TCP over WIFI interface to communicate to the IoT Gateway. The sensor would have an IP 40 casing and wall mountable.

Temperature Sensor Board: - (Approx. 80mm x 80mm x 40mm)

The details of the enclosure and the probe are referred below.

Specifications

General –

I/O Connectors	2 Pin 5.08 mm pitch pluggable screw Terminal Block
Dimensions	80 mm L x 80 mm B x 50 mm H
Power	Input Power – 5-12 V DC
	Typical – 5 W
Operating Temperature	0 – 60° C (32 ~ 140°F)
Storage Temperature	-20 - 70° C (-4 ~ 158°F)

Storage Humidity	5 ~ 95 % RH, non – Condensing

Certifications

Sensor Details –

Temperature	- 40 to + 80° C
Accuracy @25°	$\pm$ 0.3° C
Humidity	0 – 100% RH
Accuracy RH	$\pm$ 2%
Communication	I2C

Configuration Settings: -

Communication Interface: Modbus TCP - Wi-Fi

Additional Options – Modbus TCP - Ethernet
Modbus RTU – RS485

Optional Features: -

- **Battery Backup**
- **Direct A/C power supply**

Contact us: -

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