

GT-TMP125

Modbus Temperature Sensor



Unit Description

The GT-TMP125 is Digital Temperature with Modbus RTU and interface via RS-485. It is designed to use with Compact RTU GT-4000R and Modbus I/O Controller GT-IO3216 under brand GRO PRO TECH or any Master Modbus RTU. Sensor is Digital Sensor and not need Calibration process with a wide range of measurement -55°C to $+125^{\circ}\text{C}$.

Typical Application

- Temperature Monitoring, ex. HVAC environmental controls
- Process monitoring and control systems
- Building Automation System
- Industrial Systems

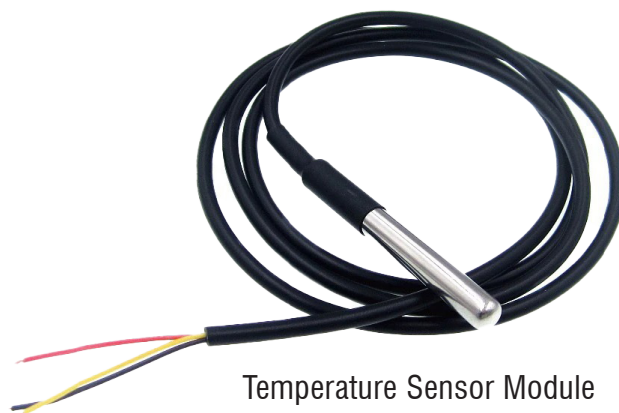
Feature and Solution

- Measures Temperatures from -55°C to $+125^{\circ}\text{C}$.
- Fast Response Time
- Easy Installation with wall mount enclosure
- Good Stability of RS-485 Output
- No calibration in life-time.

GT-TMP125

SPECIFICATION

SENSOR	
Measurement Range	-55°C to +125°C
Resolution	0.1°C
Accuracy	±0.5°C Accuracy from -10°C to +85°C
Sensor Material	Sensor Chip DS18B20 with Stainless Probe
COMMUNICATION	
Protocol	Modbus RTU, ID 1 - 247 (Default 1)
Function Code	Modbus Holding Register
Register Address	8001
Communication Port	1 x RS-485, Buadrate 9600, Data Format:N-8-1
POWER SUPPLY	
Voltage Input Range	12 - 16 VDC
Max. Input Current	0.3 Adc
Operating Temperature	-10°C to +75°C
MECHANICAL	
Enclosure	ABS with IP30 (indoor installation)
Mounting	Wall Mount
Dimension	(D)85mm. x (W)80mm. X (H)40mm.



Temperature Sensor Module