

SX-TMP125 Digital Temperature Sensor

APPLICATION AND FEATURE

Our digital temperature sensor SX-TMP125 as complement of the DS18B20 digital temperature sensor it provides 9 to 12 –bit (configurable) temperature reading over a 1-Wire interface. The sensor achieves very high accuracy and is ideal for use in field environments (ambient temperature or monitoring of engineering room) with RS-485 Communication Modbus RTU.

FEATURE

High Sensitivity

Fast Response Time

Easy Installation

Good Stability of RS-485 Output

APPLICATION

Building Room Monitoring

Storage

Greenhouse

Building Automation System

SX-TMP125 Digital Temperature Sensor

TECHNICAL SPECIFICATION

ITEM	SPECIFICATION
Measures Range	-55°C to +125°C
Resolution	0.1°C
Accuracy	±0.5°C Accuracy from -10°C to +85°C
Output Signal	RS-485 (Default : 9600, N, 8, 1)
Protocol	Modbus RTU (Default ID:1, Holding Register)
Supply	9 - 15 VDC
Power Consumption	0.5W (Max.)
Ingress Protection	IP30 (Indoor)
Sensor Material	DS18B20
Housing	ABS