

RS-485 Digital Sensor Module High Precision Industrial Modbus RTU



PRODUCT PARAMATER

Feature

- Industrial grade product, high progress HT-485-WB temperature and humidity sensor, RS485 communication;
- Standard MODBUS protocol and common protocol are integrated, users can choose communication protocol by themselves;
- The baud rate can be set by yourself;
- The common protocol has an automatic upload function, and the upload rate can be set by yourself.

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Basic Parameter

- Working voltage: DC4-30V (the highest should not exceed 33V)
- Maximum power: 0.2W
- Working temperature: temperature $-20^{\circ}\text{C}+60^{\circ}\text{C}$, humidity 0%RH-100%RH
- Control accuracy: temperature $\pm 0.3^{\circ}\text{C}(25^{\circ}\text{C})$, humidity $\pm 3\%\text{RH}(25^{\circ}\text{C})$
- Output interface: RS485 communication (standard MODBUS protocol and custom common protocol), see protocol description for details
- Device address: 1-247 can be set, the default is 1
- Baud rate: default 9600 (users can set by themselves), 8 data, 1 stop, no parity.





TEMPERATURE & HUMIDITY SENSOR

HT-485-WB

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Function code used for the product

0 x03:Reading a keep register
0 x04: Read input register
0 x06:Write a single register
0 x10:Write more keep registers

Function code used for the product:

| Register type | Register address | The data content | The number of bytes |
|---------------------|------------------|--|---------------------|
| The input registers | 0x0001 | Temperature value | 2 |
| | 0 x0002 | Humidity value | 2 |
| | 0 x0101 | Device address(1-247) | 2 |
| Keep a register | 0 x0102 | Baud rate 0:9 600 And 400 200: | 2 |
| | 0 x0103 | The temperature at(/ 10) 10.0 ~ 10.0 | 2 |
| | 0 x0104 | Humidity is revised(/ 10) 10.0 ~ 10.0 | 2 |