

Case Introduction (Collecting 10 Temperature & Humidity Sensors)

1. Function Implementation

Collect data from 10 RS485 interface temperature and humidity sensors, and report to the 61850 master station.

2. Device RS485 Communication Parameters

- Temperature & Humidity Sensor No.1: modbus address=1, 4800 baud, no parity, 1 stop bit
- Temperature & Humidity Sensor No.2: modbus address=2, 4800 baud, no parity, 1 stop bit
- Temperature & Humidity Sensor No.3: modbus address=3, 4800 baud, no parity, 1 stop bit
- Temperature & Humidity Sensor No.4: modbus address=4, 4800 baud, no parity, 1 stop bit
- Temperature & Humidity Sensor No.5: modbus address=5, 4800 baud, no parity, 1 stop bit
- Temperature & Humidity Sensor No.6: modbus address=6, 4800 baud, no parity, 1 stop bit
- Temperature & Humidity Sensor No.7: modbus address=7, 4800 baud, no parity, 1 stop bit
- Temperature & Humidity Sensor No.8: modbus address=8, 4800 baud, no parity, 1 stop bit
- Temperature & Humidity Sensor No.9: modbus address=9, 4800 baud, no parity, 1 stop bit
- Temperature & Humidity Sensor No.10: modbus address=10, 4800 baud, no parity, 1 stop bit

3. Temperature & Humidity Sensor Modbus Data Point Table

The following data points use Modbus 03 Read Holding Registers function code

