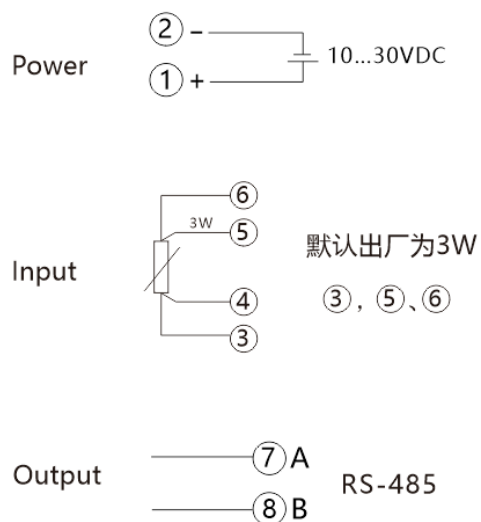


THM610_THM620 通用版简易使用说明

一、接线图

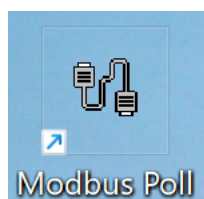






二、RS-485 连接

2.1. 默认出厂通讯参数:

- (1) 地址: 1
- (2) 波特率: 57600
- (3) 数据位: 8 位
- (4) 停止位: 1 位
- (5) 校验方式: 偶校验
- (6) 大小端: 大端

2.2. 使用“Modbus Poll”软件, 打开 THM610 工程文件 (附件 1)。



-  THM610_MB_device_variables.mbp
-  THM610_MB_modbus_pwd.mbp
-  THM610_MB_modbus_settings_simple.mbp
-  THM610_MB_sensor_settings.mbp

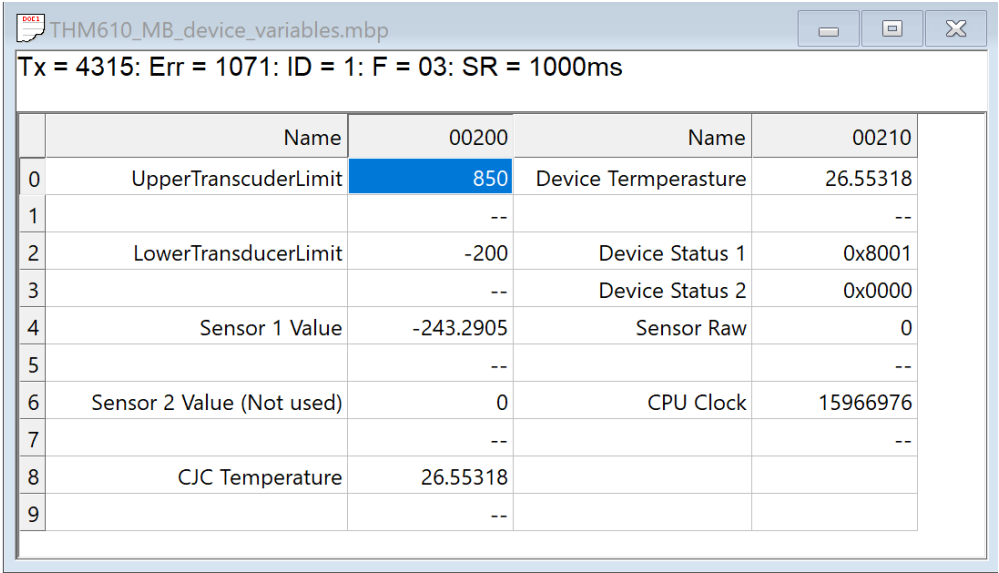
(1) “Modbus Poll” 软件

(2) THM610 工程文件

2.3. THM610 工程文件说明

(1) “THM610_MB_device_variables.mbp” 为设备变量（只读）。

 THM610_MB_device_variables.mbp




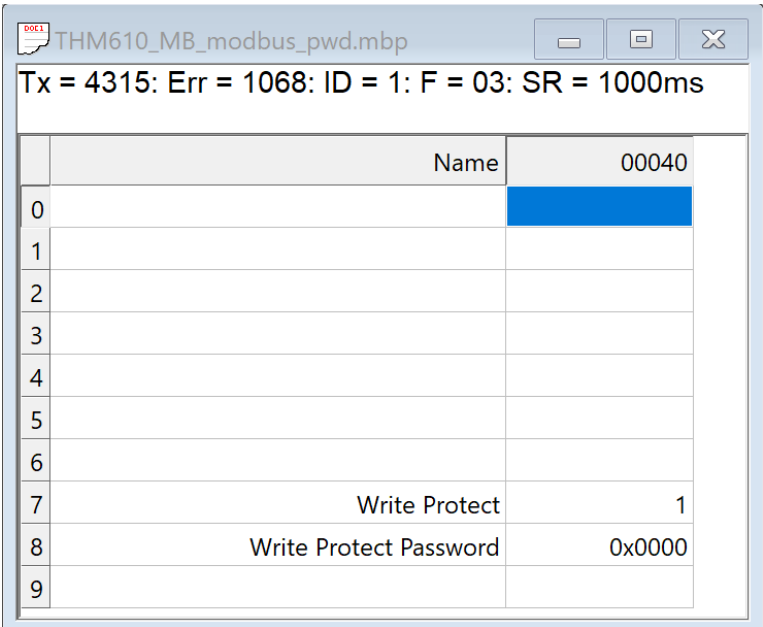
THM610_MB_device_variables.mbp

Tx = 4315: Err = 1071: ID = 1: F = 03: SR = 1000ms

	Name	00200	Name	00210
0	UpperTransducerLimit	850	Device Temperasture	26.55318
1		--		--
2	LowerTransducerLimit	-200	Device Status 1	0x8001
3		--	Device Status 2	0x0000
4	Sensor 1 Value	-243.2905	Sensor Raw	0
5		--		--
6	Sensor 2 Value (Not used)	0	CPU Clock	15966976
7		--		--
8	CJC Temperature	26.55318		
9		--		

(2) “THM610_MB_modbus_pwd.mbp” 为写保护开/关
(写保护关闭密码：620；输入错误密码即为写保护打开)。

 THM610_MB_modbus_pwd.mbp




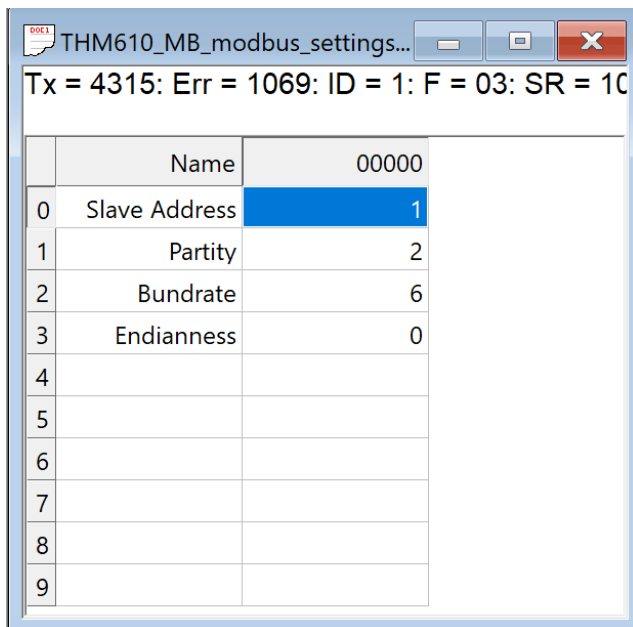
THM610_MB_modbus_pwd.mbp

Tx = 4315: Err = 1068: ID = 1: F = 03: SR = 1000ms

	Name	00040
0		
1		
2		
3		
4		
5		
6		
7	Write Protect	1
8	Write Protect Password	0x0000
9		

(3) “THM610_MB_modbus_settings_simple.mbp” 为 RS-485 通讯连接参数设置。


 THM610_MB_modbus_settings_simple.mbp

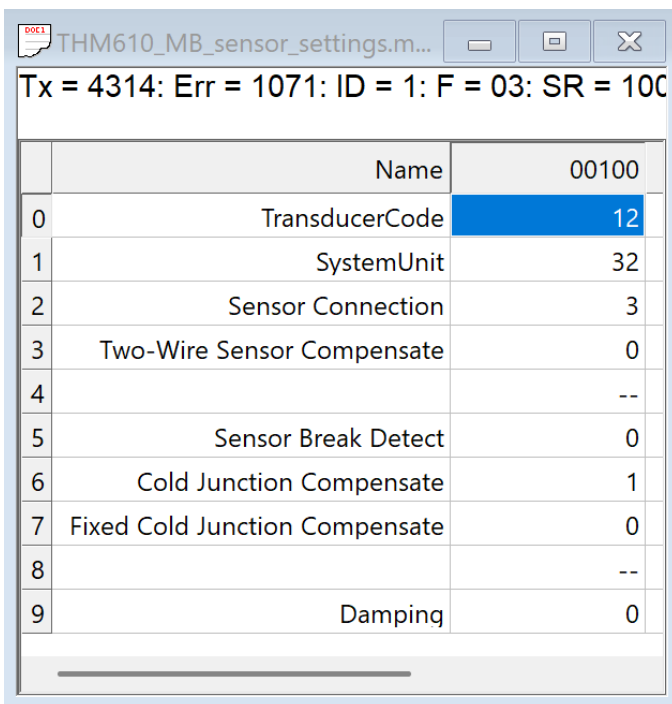


The screenshot shows a window titled "THM610_MB_modbus_settings..." with a status bar at the top displaying "Tx = 4315: Err = 1069: ID = 1: F = 03: SR = 10". Below the status bar is a table with 10 rows and 3 columns. The first column contains indices from 0 to 9. The second column contains parameter names. The third column contains parameter values. The row for "Slave Address" (index 0) is highlighted in blue.

	Name	00000
0	Slave Address	1
1	Partity	2
2	Bundrate	6
3	Endianness	0
4		
5		
6		
7		
8		
9		

(4) “THM610_MB_sensor_settings.mbp” 为传感器输入设置。

 THM610_MB_sensor_settings.mbp



The screenshot shows a window titled "THM610_MB_sensor_settings.m..." with a status bar at the top displaying "Tx = 4314: Err = 1071: ID = 1: F = 03: SR = 100". Below the status bar is a table with 10 rows and 3 columns. The first column contains indices from 0 to 9. The second column contains parameter names. The third column contains parameter values. The row for "TransducerCode" (index 0) is highlighted in blue.

	Name	00100
0	TransducerCode	12
1	SystemUnit	32
2	Sensor Connection	3
3	Two-Wire Sensor Compensate	0
4		--
5	Sensor Break Detect	0
6	Cold Junction Compensate	1
7	Fixed Cold Junction Compensate	0
8		--
9	Damping	0

2.4. THM610 寄存器定义

见“附件 2: THM610 寄存器定义”。

三、THM610 模块指示灯

3.1. 指示灯为红色单色灯

3.2. 指示灯定义:

- (1) 指示灯灭: 无供电
- (2) 指示灯长亮: 正常工作
- (3) 指示灯闪烁: 传感器故障