



Tuesday, December 16, 2025 10:08:40

Read_Modbus_with_TTL_to_RS485 | Arduino IDE 2.3.6

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NodeMCU 1.0 (ESP-12... ▾

Read_Modbus_with_TTL_to_RS485.ino

```
1 #include <SoftwareSerial.h>
2 #include <ModbusMaster.h>
3
4 // ===== PIN SETUP (NodeMCU) =====
5 #define RS485_RX D6 // GPIO12 (RO -> RX)
6 #define RS485_TX D5 // GPIO14 (DI -> TX)
7 #define RS485_DE D1 // GPIO5 (DE & RE digabung)
8
9 // ===== MODBUS SETUP =====
10#define SLAVE_ID 1
11#define BAUDRATE 9600
12
```

Output Serial Monitor X

Message (Enter to send message to 'NodeMCU 1.0 (ESP-12E Module)' on 'COM5')

```
10:02:12.719 -> INT16 [0]: 251
10:02:12.719 -> INT16 [1]: 378
10:02:13.733 -> INT16 [0]: 251
10:02:13.733 -> INT16 [1]: 378
10:02:14.767 -> INT16 [0]: 251
10:02:14.767 -> INT16 [1]: 377 TEMPERATURE 25,I C
10:02:15.783 -> INT16 [0]: 251 HUMIDITY 37.7% RH
10:02:15.783 -> INT16 [1]: 377
10:02:16.800 -> INT16 [0]: 251
10:02:16.800 -> INT16 [1]: 378
10:02:17.828 -> INT16 [0]: 251
10:02:17.828 -> INT16 [1]: 377
```