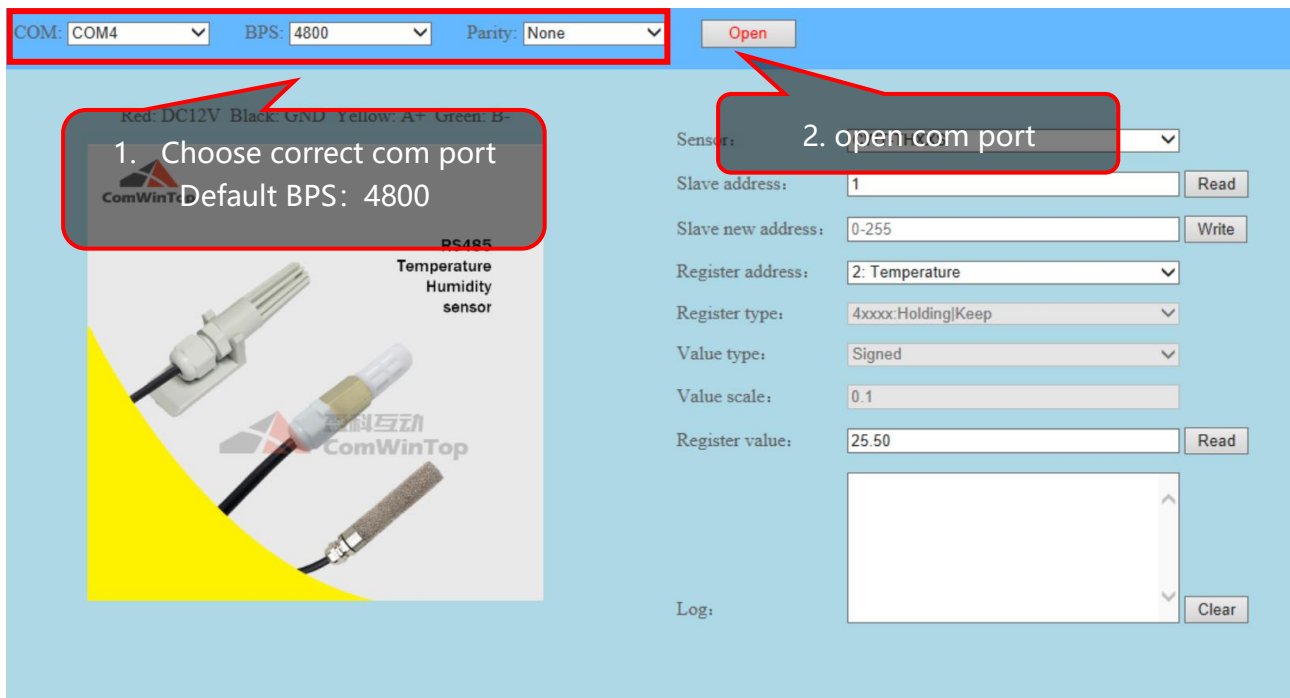


CWT-THXXS config tool instruction

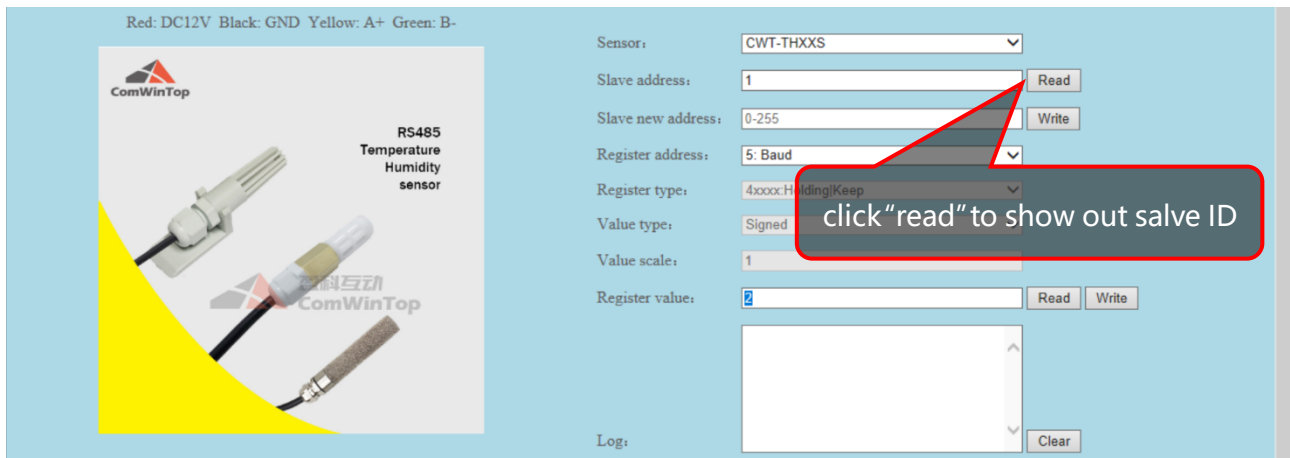
1 Connect sensor

Connect sensor to PC by a RS485 to USB converter



2 Read value

2.1 read ID



2.2 read temperature or humidity

COM: COM8 BPS: 4800 Parity: None Close

Red: DC12V Black: GND Yellow: A+ Green: B-

ComWinTop RS485 Temperature Humidity sensor

Sensor: CWT-THXXS

Slave address: 3 Read

Slave new address: 0-255 Write

Register address: 1: Humidity 2: Temperature 3: Baud

Register type: Signed

Value type: 0.1

Register value: 71.50 Read

TX: 03 03 00 00 00 01 85 e8
RX: 03 03 02 02 CB 81 73

Log: Clear

1. Choose temp or humidity

2. read

Show value

3 Set parameters

3.1 Set ID

Red: DC12V Black: GND Yellow: A+ Green: B-

ComWinTop RS485 Temperature Humidity sensor

Sensor: CWT-THXXS

Slave address: 2 Read

Slave new address: 2 Write

Register address: 1: Humidity 2: Temperature 3: Baud

Register type: 4xxxx: Holding | Keep

Value type: Signed

Value scale: 0.1

Register value: 71.30 Read

TX: 03 03 00 00 00 01 85 e8
RX: 03 03 02 02 CB 81 73
TX: 01 06 07 d0 00 02 08 86
TX: 03 03 00 00 00 01 85 e8
RX: 03 03 02 02 C9 00 B2
TX: 03 06 07 d0 00 02 09 64
RX: 03 06 07 D0 00 02 09 64

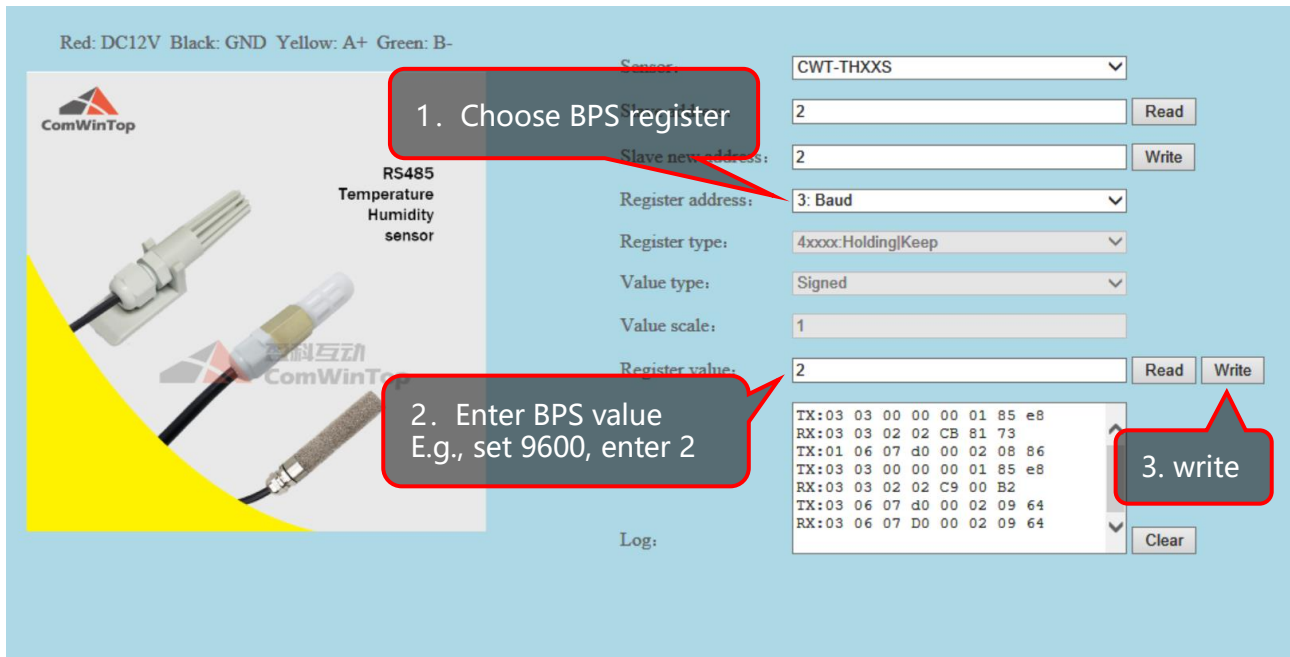
Log: Clear

1. Enter new ID

2. write

3.2 Set BPS

0=2400, 1=4800, 2=9600



Red: DC12V Black: GND Yellow: A+ Green: B-

ComWinTop

RS485 Temperature Humidity sensor

1. Choose BPS register

2. Enter BPS value
E.g., set 9600, enter 2

3. write

Sensor: CWT-THXXS

Slave address: 2

Register address: 3: Baud

Register type: 4xxxx: Holding | Keep

Value type: Signed

Value scale: 1

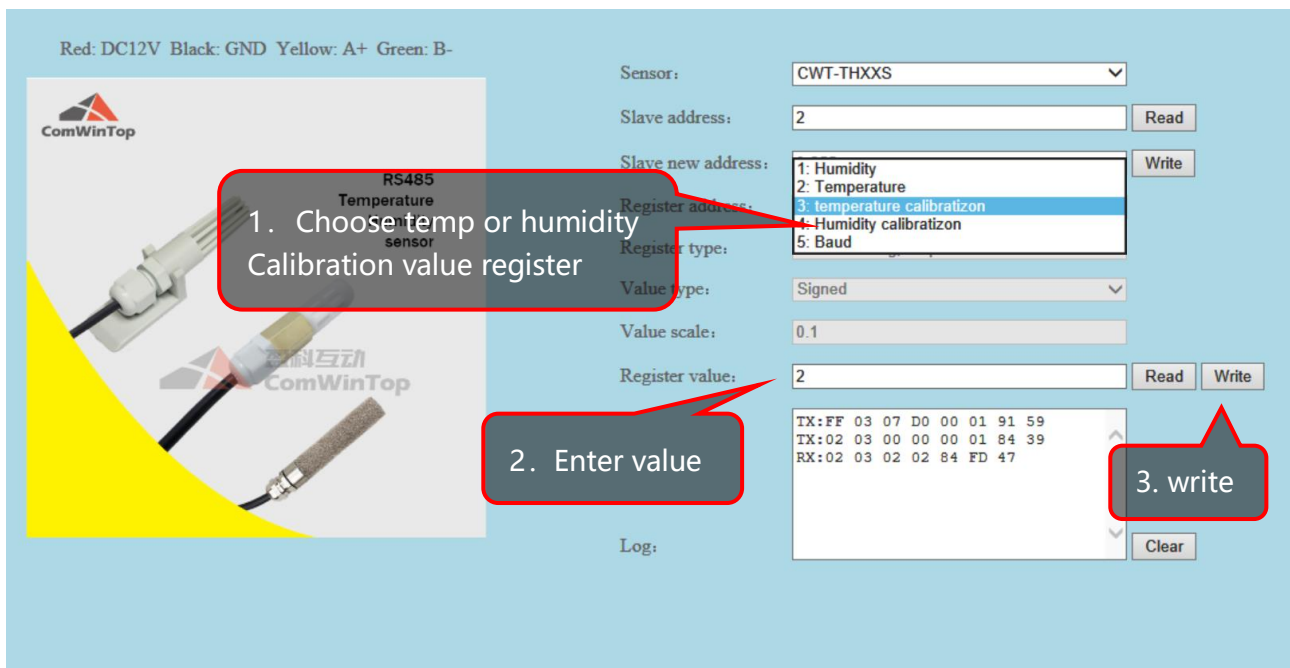
Register value: 2

Read Write

TX: 03 03 00 00 00 01 85 e8
 RX: 03 03 02 02 CB 81 73
 TX: 01 06 07 d0 00 02 08 86
 TX: 03 03 00 00 00 01 85 e8
 RX: 03 03 02 02 C9 00 B2
 TX: 03 06 07 d0 00 02 09 64
 RX: 03 06 07 D0 00 02 09 64

Log:

3.3 Set temperature or humidity calibration value



Red: DC12V Black: GND Yellow: A+ Green: B-

ComWinTop

RS485 Temperature Humidity sensor

1. Choose temp or humidity Calibration value register

2. Enter value

3. write

Sensor: CWT-THXXS

Slave address: 2

Slave new address: 1: Humidity
2: Temperature
3: temperature calibration
4: Humidity calibration
5: Baud

Register type: Signed

Value scale: 0.1

Register value: 2

Read Write

TX: FF 03 07 D0 00 01 91 59
 TX: 02 03 00 00 00 01 84 39
 RX: 02 03 02 02 84 FD 47

Log:

Output value=actual value+calibration value