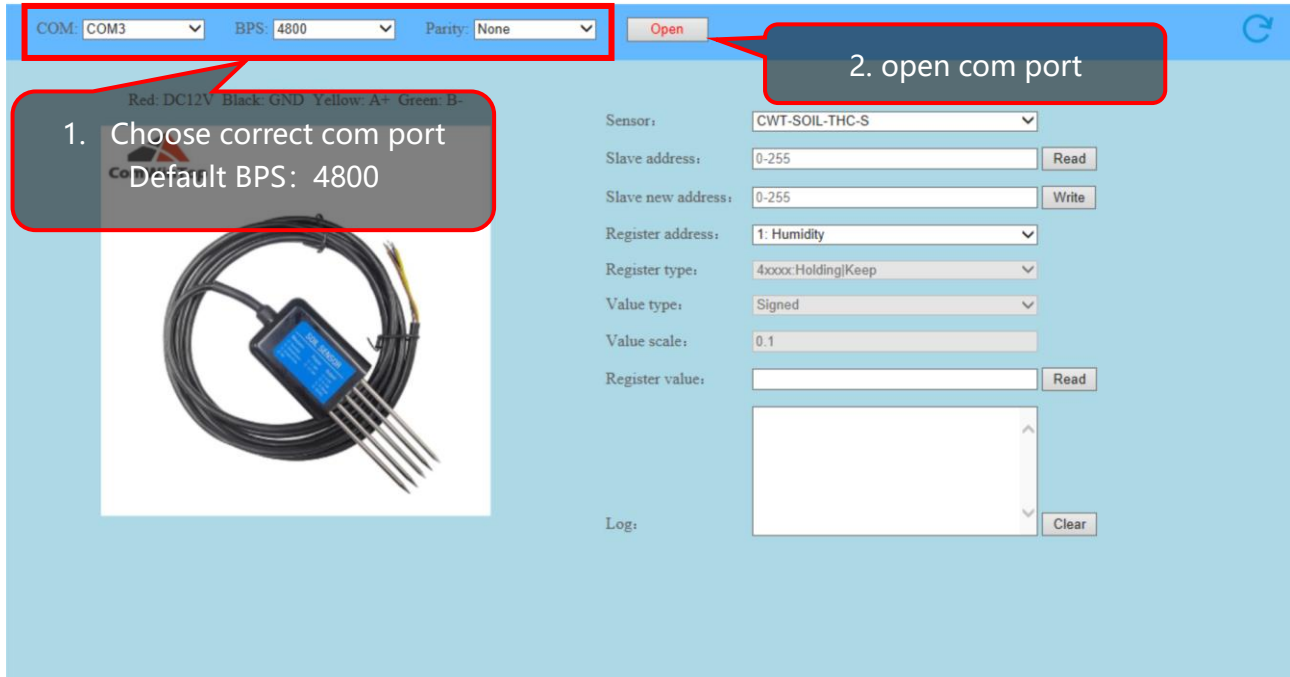


Config Tool Instruction

1 Connect sensor

Connect sensor to PC by a RS485 to USB converter



COM: COM3 BPS: 4800 Parity: None Open

1. Choose correct com port
Default BPS: 4800

2. open com port

Sensor: CWT-SOIL-THC-S

Slave address: 0-255 Read

Slave new address: 0-255 Write

Register address: 1: Humidity

Register type: 4xxxx: Holding|Keep

Value type: Signed

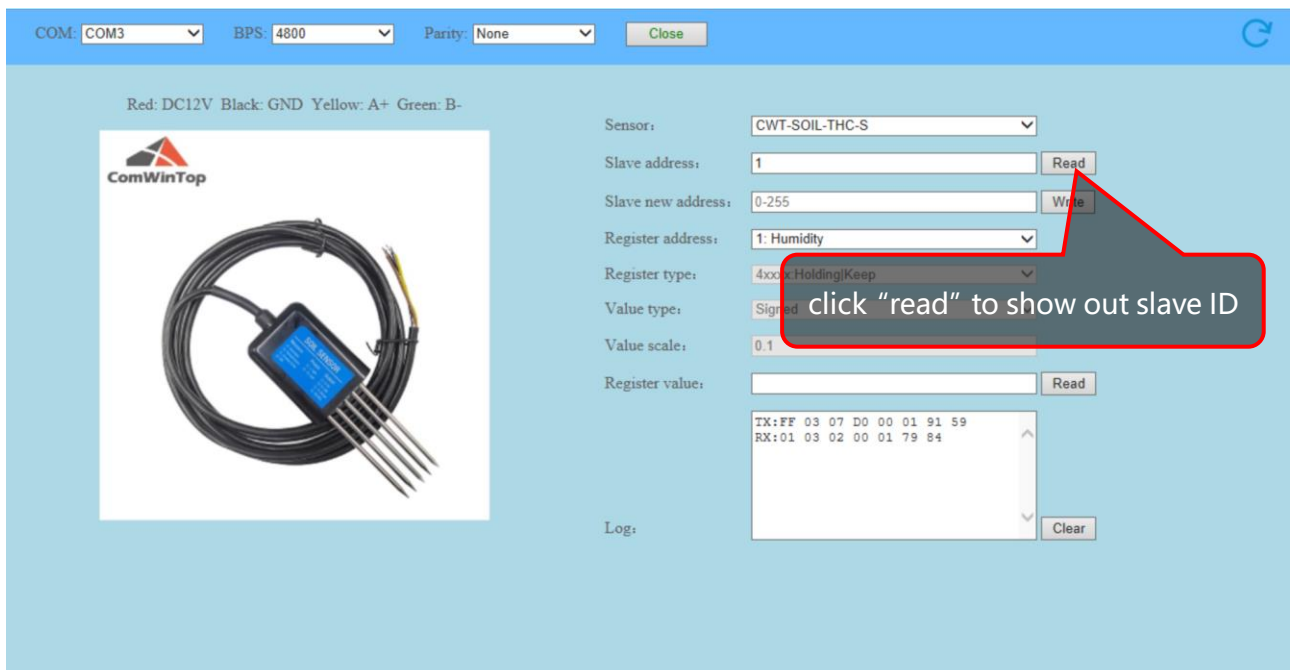
Value scale: 0.1

Register value: Read

Log: Clear

2 Read value

2.1 read ID



COM: COM3 BPS: 4800 Parity: None Close

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

ComWinTop

Sensor: CWT-SOIL-THC-S

Slave address: 1 Read

Slave new address: 0-255 Write

Register address: 1: Humidity

Register type: 4xxxx: Holding|Keep

Value type: Signed

Value scale: 0.1

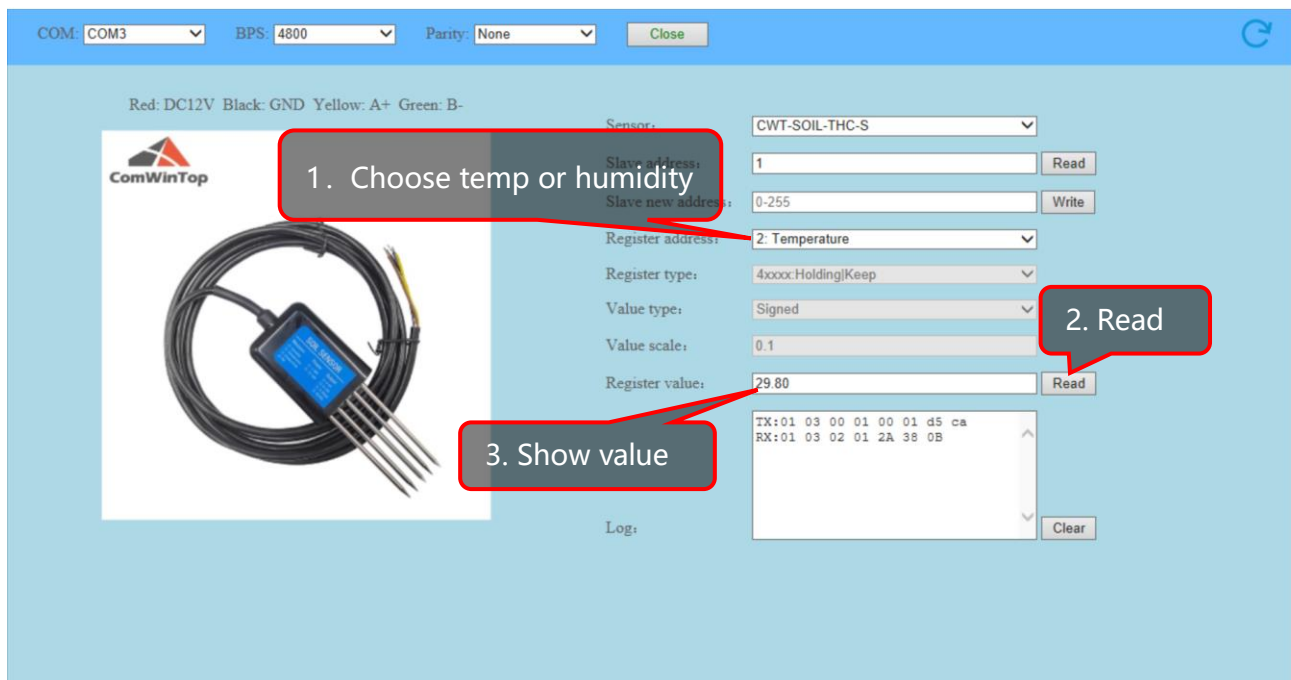
Register value: Read

Log: Clear

TX: FF 03 07 D0 00 01 91 59
RX: 01 03 02 00 01 79 84

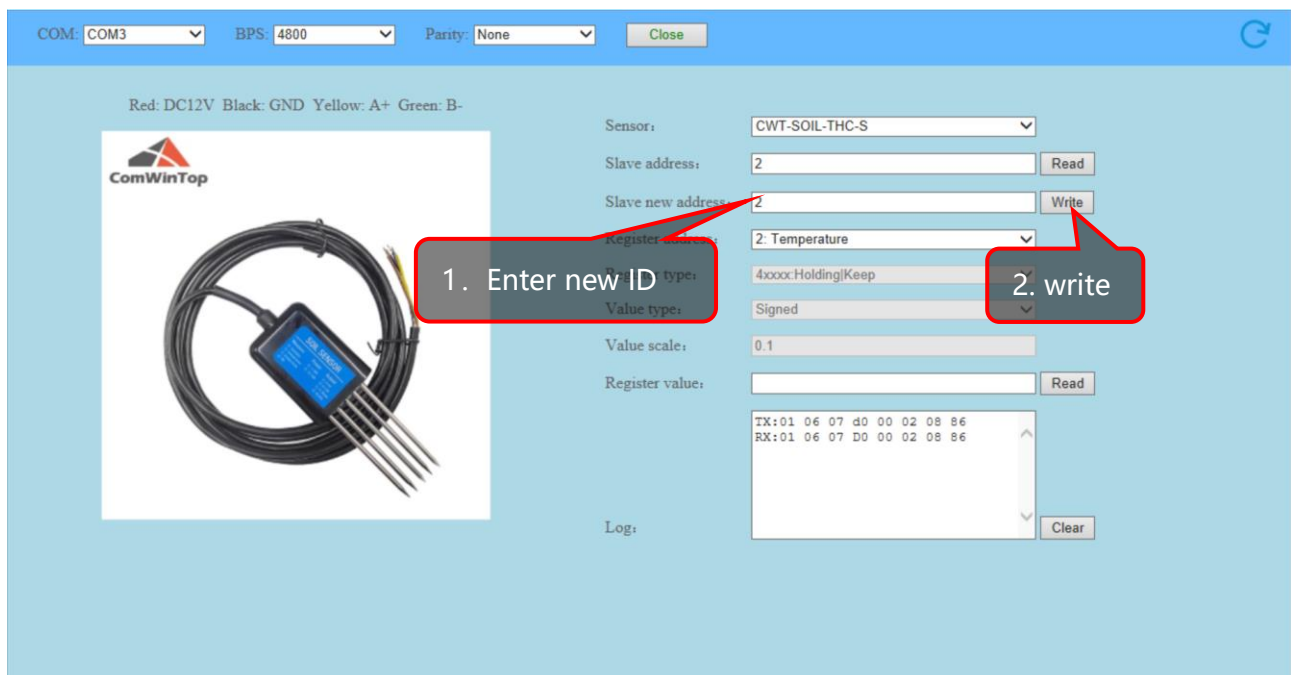
click "read" to show out slave ID

2.2 Read temperature or humidity



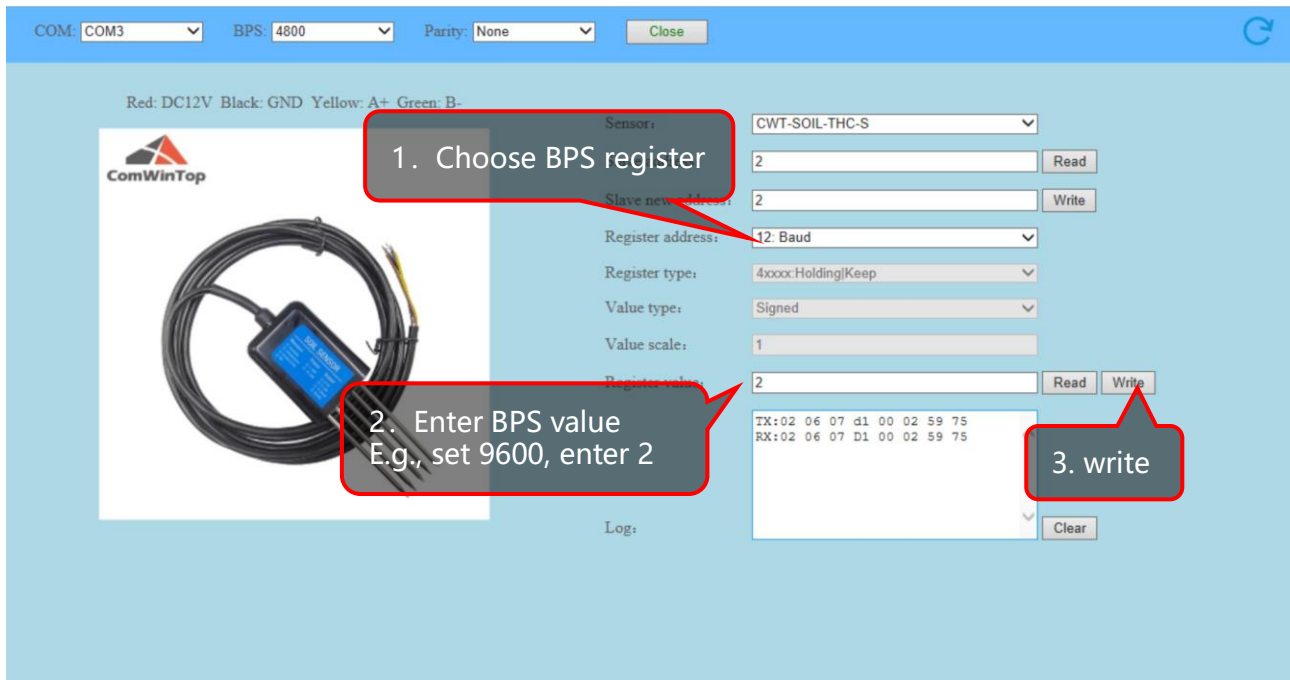
3 Set parameters

3.1 Set ID



3.2 Set BPS

0=2400, 1=4800, 2=9600



COM: COM3 BPS: 4800 Parity: None Close

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

Sensor: CWT-SOIL-THC-S

Slave new address: 2 Read Write

Register address: 12: Baud

Register type: 4xxxx: Holding/Keep

Value type: Signed

Value scale: 1

Register value: 2 Read Write

TX: 02 06 07 d1 00 02 59 75
 RX: 02 06 07 d1 00 02 59 75

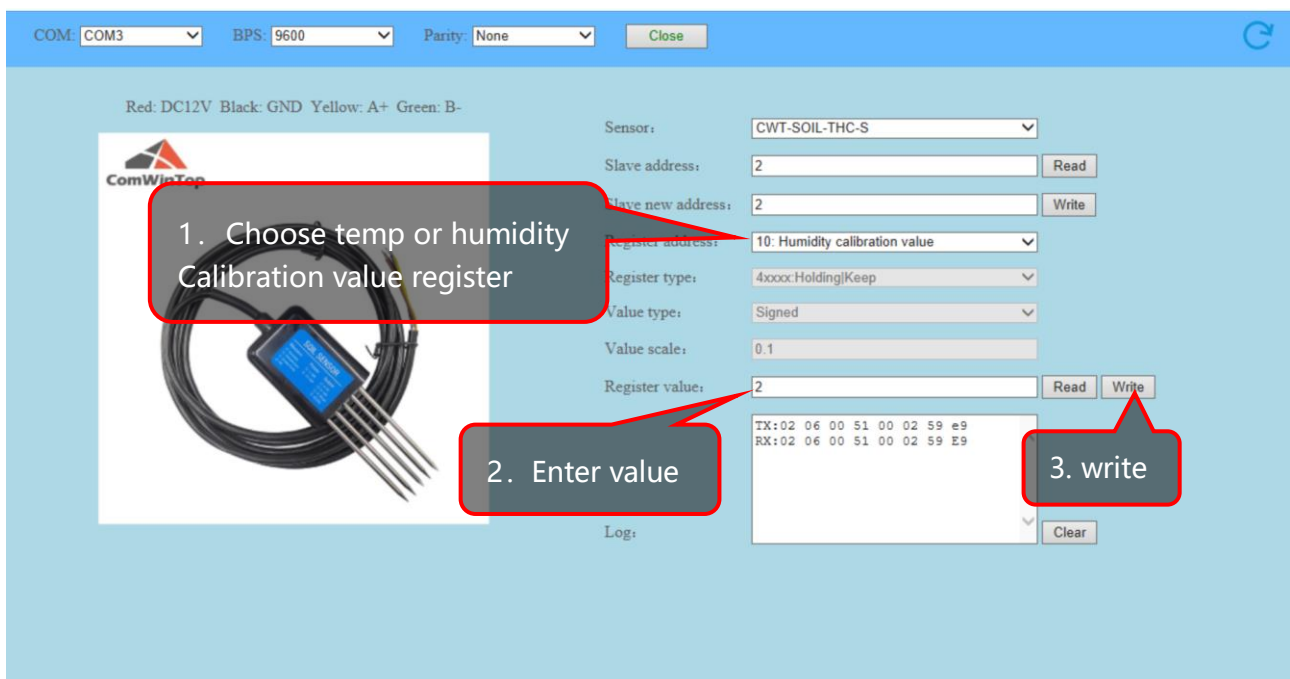
Log: Clear

1. Choose BPS register

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

3. write

3.3 Set temperature or humidity calibration value



COM: COM3 BPS: 9600 Parity: None Close

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

Sensor: CWT-SOIL-THC-S

Slave address: 2 Read

Slave new address: 2 Write

Register address: 10: Humidity calibration value

Register type: 4xxxx: Holding/Keep

Value type: Signed

Value scale: 0.1

Register value: 2 Read Write

TX: 02 06 00 51 00 02 59 e9
 RX: 02 06 00 51 00 02 59 e9

Log: Clear

1. Choose temp or humidity
 Calibration value register

2. Enter value

3. write

Output value=actual value + calibration value