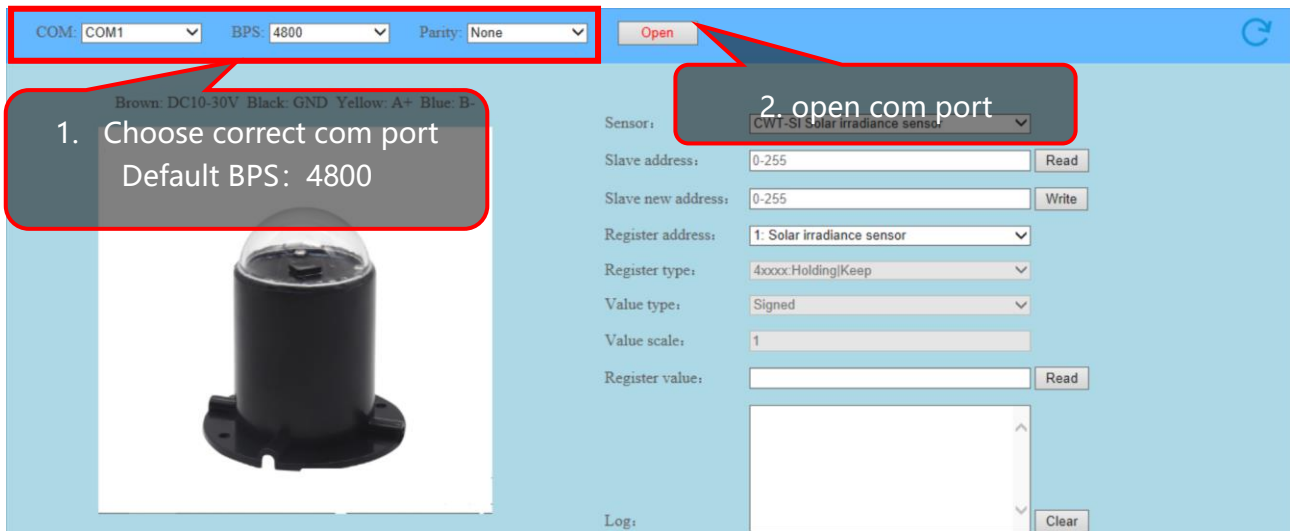


CWT-SI Solar irradiance sensor config tool instruction

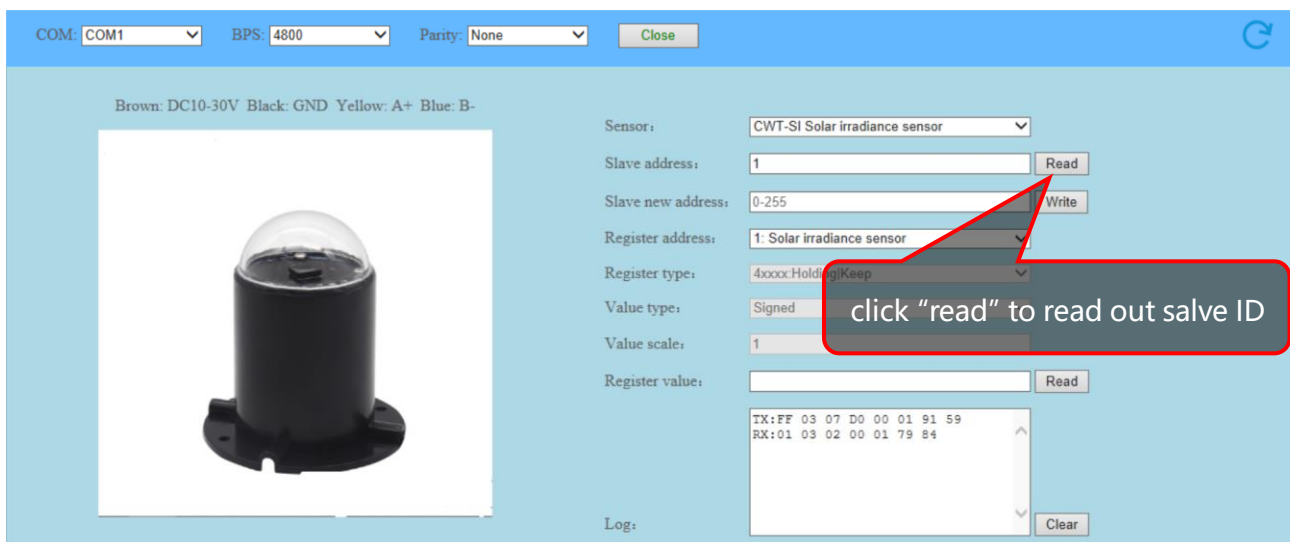
1 Connect sensor

Connect sensor to PC by a RS485 to USB converter

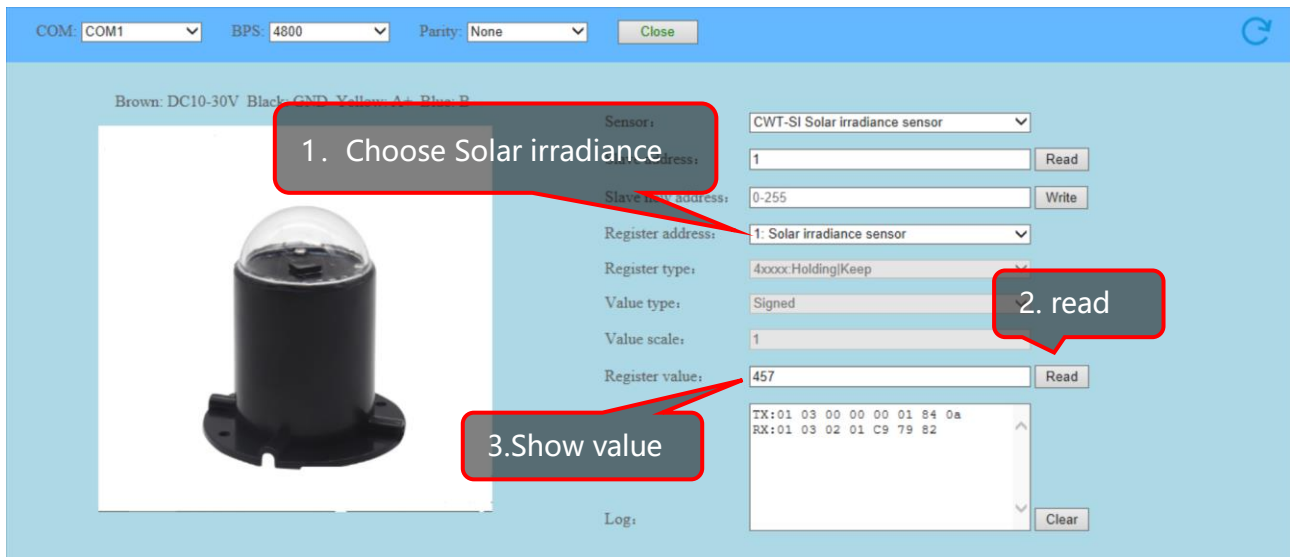


2 Read value

2.1 read ID



2.2 read Solar irradiance



COM: COM1 BPS: 4800 Parity: None Close

Brown: DC10-30V Black: GND Yellow: A+ Blue: B-

1. Choose Solar irradiance

Sensor: CWT-SI Solar irradiance sensor

Slave address: 1 Read

Slave new address: 0-255 Write

Register address: 1: Solar irradiance sensor

Register type: 4xxxx: Holding|Keep

Value type: Signed

Value scale: 1

Register value: 457 Read

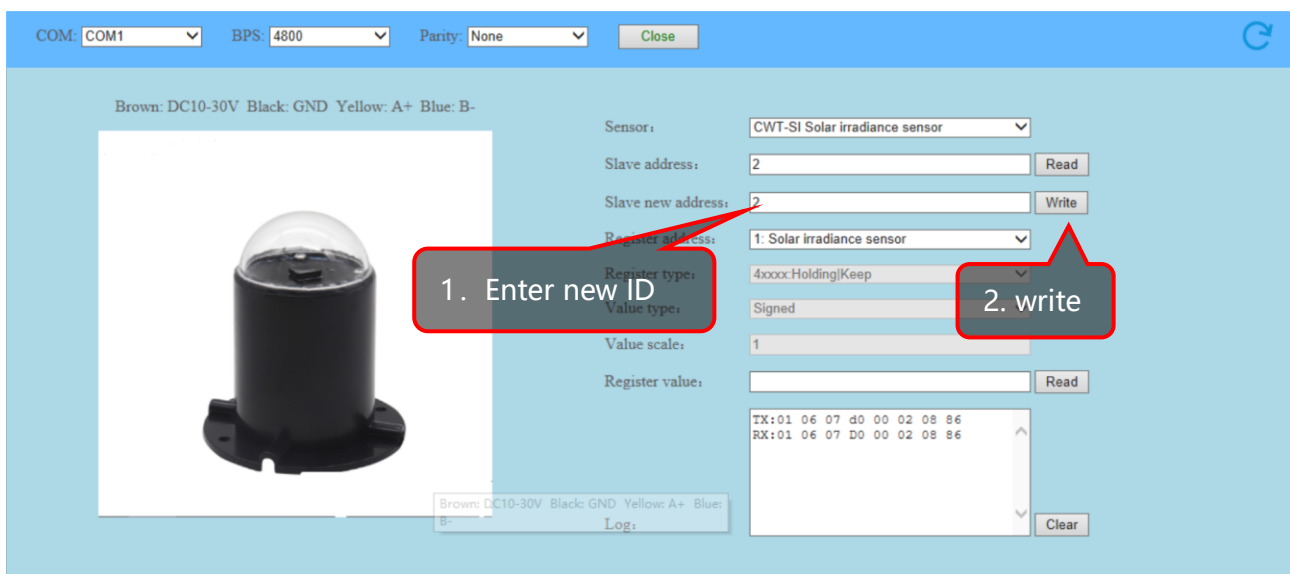
2. read

3. Show value

TX: 01 03 00 00 00 01 84 0a
RX: 01 03 02 01 C9 79 82

Log: Clear

2.3 Set ID



COM: COM1 BPS: 4800 Parity: None Close

Brown: DC10-30V Black: GND Yellow: A+ Blue: B-

1. Enter new ID

Sensor: CWT-SI Solar irradiance sensor

Slave address: 2 Read

Slave new address: 2 Write

Register address: 1: Solar irradiance sensor

Register type: 4xxxx: Holding|Keep

Value type: Signed

Value scale: 1

Register value: Read

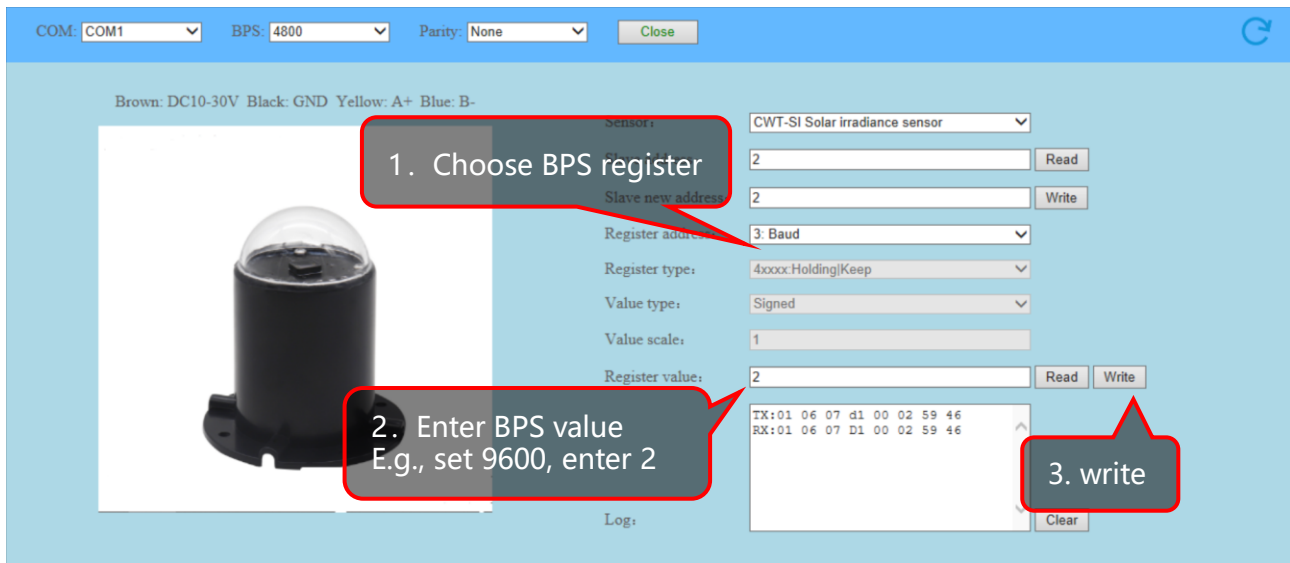
2. write

TX: 01 06 07 d0 00 02 08 86
RX: 01 06 07 D0 00 02 08 86

Log: Clear

2.4 Set BPS

0=2400, 1=4800, 2=9600



COM: COM1 BPS: 4800 Parity: None Close

Brown: DC10-30V Black: GND Yellow: A+ Blue: B-

1. Choose BPS register

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

3. write

Register address	Register type	Value type	Value scale	Register value	Read	Write
2	4xxxx: Holding/Keep	Signed	1	2	Read	Write

TX: 01 06 07 d1 00 02 59 46
RX: 01 06 07 D1 00 02 59 46

Log: Clear