Modbus Parameters PM 2.5

Mode: RTU (MSB First)

Baud Rate: 1-4800 2-9600 3-14400 4-19200 5-38400 bps default: 5-38400bps

Start Bits: 1

Data Bits: 8

Stop Bits: 1 / 2 default : 2

Parity: None / Odd / Even default: None

Modbus Address: 1~247 default: 1

Register Map

Support Function: 3 4 6 16

Starting Register Decimal	Data Description	Function	Read/ Write	Length	Format	Valid Response	Default
2	PM2.5 5 minutes average measurement	4	R	2	Float	2~800 ug/m3	
4	Temp. Measurement	4	R	2	Float	-20.0~50.0 ℃	
6	Humi. Measurement	4	R	2	Float	0.1~100.0%RH	
8	PM2.5 1 hour average measurement	4	R	2	Float	2~800 ug/m3	
0	Modbus Address	3/6	R/W	1	UINT16	1~247	1
1	Modbus Baud Rate	3/6	R/W	1	UINT16	1-4800bps 2-9600bps 3-14400bps 4-19200bps 5-38400bps	5
2	Modbus Parity Bit and Stop Bit	3/6	R/W	1	UINT16	1-None 1Stop Bit; 2-None 2Stop Bit; 3-Odd 1Stop Bit; 4-Even 1Stop Bit	2
3	Sensor Warmup Time	3/6	R/W	1	UINT16	1~600 Second	60
4	The short time length setting value of PM2.5 average value	3/6	R/W	1	UINT16	5~600 Second	300
5	The long time length setting value of PM2.5 average value	3/6	R/W	1	UINT16	1~24 hour	1
6	Temp. Adjust Setpoint	3/16	R/W	2	Float	-5.0~5.0 ℃	0.0
8	Hum. Adjust Setpoint	3/16	R/W	2	Float	-10.0~10.0 RH%	
10	Touch key switch	3/6	R/W	1	UINT16	Air Purifier 0- No.1 control setpoint 35ug/m3 1- No.2 Control setpoint 55ug/m3 2- No.3 Control setpoint 75ug/m3 3- Turn on 4- Turn off	4

11	Air purifier No.1 control settpoint	3/6	R/W	1	UINT16	1~800ug/m3	35
12	Air purifier No.2 control settpoint	3/6	R/W	1	UINT16	1~800ug/m3	55
13	Air purifier No.3 control settpoint	3/6	R/W	1	UINT16	1~800ug/m3	75
14	Control offset settpoint	3/6	R/W	1	UINT16	0.1~10	5
15	Green<->Yellow setpoint	3/6	R/W	1	UINT16	1~800ug/m3	35
16	Yellow<->Orange setpoint	3/6	R/W	1	UINT16	1~800ug/m3	75
17	Orange<->Red setpoint	3/6	R/W	1	UINT16	1~800ug/m3	115
18	Red<->Purple setpoint	3/6	R/W	1	UINT16	1~800ug/m3	150
19	Brown <-> Purple setpoint	3/6	R/W	1	UINT16	1~800ug/m3	250

Note：Scan Rate>=4000ms

Protocol Address Base 0