1.장치관리자 -> USB Serial Port 확인
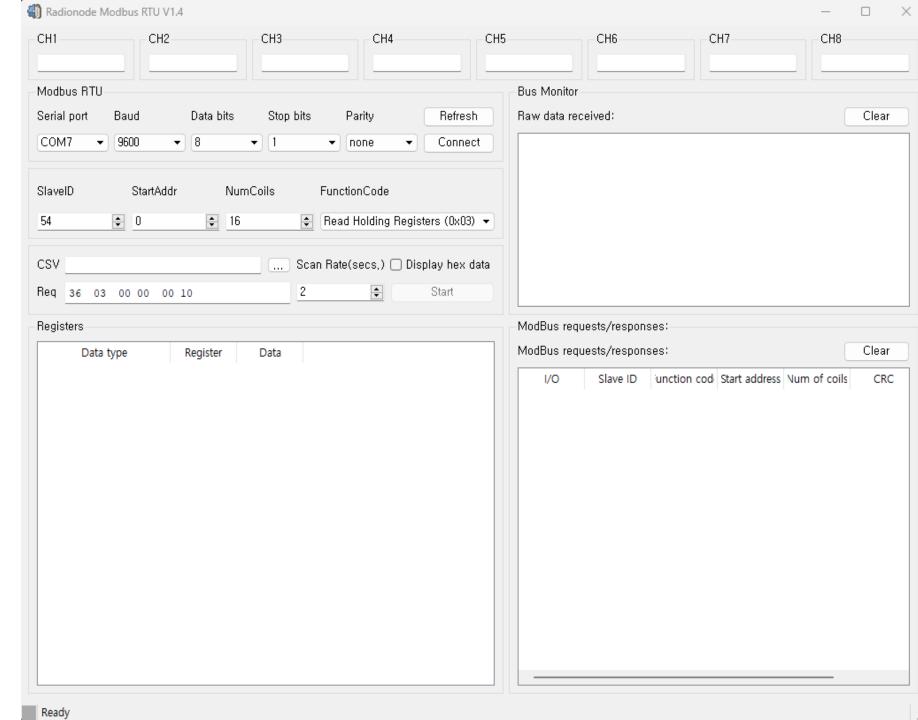
2. Modbus Rtu setting

① Serial port : COM7

② Baud : 9600

③ Data bits : 8

④ Stop bis : 1

⑤ Parity : none

⑥ Slave ID : 54

⑦ StartAddr : 0

⑧ NumColis : 16

⑨ FunctionCode

   : Read Hoding Register (0x03)

⑩ CSV : csv 저장위치

3. Connect click

4. Start click

Radionode Modbus RTU V1.4

CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8

Modbus RTU

Serial port	Baud	Data bits	Stop bits	Parity	Refresh
COM7	9600	8	1	none	Connect

SlaveID	StartAddr	NumCoils	FunctionCode
54	0	16	Read Holding Registers (0x03)

CSV [   ] [...] Scan Rate(secs,) ☐ Display hex data

Req 36 03 00 00 00 10   2   Start

Registers

Data type	Register	Data

Bus Monitor

Raw data received: Clear

ModBus requests/responses:

ModBus requests/responses: Clear

I/O	Slave ID	Function cod	Start address	Num of coils	CRC

Ready

NO	SENSOR	START	END	UNIT	FORMAT
1	NH_3	1	2	ppm	IEEE754 FLOAT
2	H_2S	3	4	ppm	IEEE754 FLOAT
3	PM2.5	5	6	µg/m³	IEEE754 FLOAT
4	PM10	7	8	µg/m³	IEEE754 FLOAT
5	PM1.0	9	10	µg/m³	IEEE754 FLOAT
6	Temp	11	12	℃ , ℉	IEEE754 FLOAT
7	Humi	12	14	%	IEEE754 FLOAT
8	TVOC	15	16	µg/m³	IEEE754 FLOAT

Radionode Modbus RTU V1.4

CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
0,00	0,00	15,00	15,50	13,90	26,35	39,85	102,00

Modbus RTU

Serial port: COM7 Baud: 9600 Data bits: 8 Stop bits: 1 Parity: none

SlaveID: 54 StartAddr: 0 NumCoils: 16 FunctionCode: Read Holding Registers (0x03)

CSV C:/Users/___/문서/Air-DK_test.csv   Scan Rate(secs.) ☐ Display hex data

Req 36 03 00 00 00 10   2   Stop

Bus Monitor

Raw data received:

```
36 03 20 00 00 00 00 00 00 00 00 33 33 41 73 33 33 4
36 03 20 00 00 00 00 00 00 00 00 cc cd 41 74 cc cd 4
36 03 20 00 00 00 00 00 00 00 00 66 66 41 76 66 66 4
36 03 20 00 00 00 00 00 00 00 00 66 66 41 76 00 00 4
36 03 20 00 00 00 00 00 00 00 00 00 00 41 78 00 00 4
36 03 20 00 00 00 00 00 00 00 00 66 66 41 76 00 00 4
36 03 20 00 00 00 00 00 00 00 00 cc cd 41 74 66 66 4
36 03 20 00 00 00 00 00 00 00 00 cc cd 41 74 66 66 4
36 03 20 00 00 00 00 00 00 00 00 99 9a 41 71 99 9a 4
36 03 20 00 00 00 00 00 00 00 00 00 41 70 00 00 4
```

Registers

	Data type	Register	Data
1	Holding Register (16 bit)	0	0
2	Holding Register (16 bit)	1	0
3	Holding Register (16 bit)	2	0
4	Holding Register (16 bit)	3	0
5	Holding Register (16 bit)	4	0
6	Holding Register (16 bit)	5	16752
7	Holding Register (16 bit)	6	0
8	Holding Register (16 bit)	7	16760
9	Holding Register (16 bit)	8	26214
10	Holding Register (16 bit)	9	16734
11	Holding Register (16 bit)	10	52429
12	Holding Register (16 bit)	11	16850

ModBus requests/responses:

	I/O	Slave ID	Function code	Start address	Num of coils	
1	Req >>	54	3	0	16	0000
2	<< Resp	54	3	0	8	12f8
3	Req >>	54	3	0	16	0000
4	<< Resp	54	3	0	8	f884
5	Req >>	54	3	0	16	0000
6	<< Resp	54	3	0	8	ebd0
7	Req >>	54	3	0	16	0000
8	<< Resp	54	3	0	8	ce46
9	Req >>	54	3	0	16	0000
10	<< Resp	54	3	0	8	fa33

Ready