

Modbus Manual for SNH Series Ammonia (NH₃) Transmitter

Use Function 3 for Reading and Function 6 for Writing Holding Registers.

Register Table starts from Base 1. Default Settings: Modbus ID:1, 9600, 8bit, None, 1.

Register	R/W	Range	Description
1	R & W	1...254	Modbus Address
2	R & W	0...4	Baudrate, 0: 9.600, 1: 19.200, 2: 38.400, 3: 57.600, 4: 115.200
3	R & W	0...3	Bit_Parity_Stop, 0: 8bit_None_1, 1: 8bit_None_2, 2: 8bit_Even_1, 3: 8bit_Odd_1
4	R		Firmware
5	R	yyww	Production date, yy: year as last two digit, ww: week of the year
6	R		Batch no
7	R		Transmitter ID
8	R	1...1.439	Working time, past minute from starting, resets every 24 hours and every start up
9	R	1...32.767	Working time, workday counter, counts continuous working of 1.440 minutes
10	R	1...32.767	Start-up counter, counts every reset and start
11	R & W		Blank
12	R & W		Blank
13	R & W		Blank
14	R & W		Blank
15	R & W		Blank
16	R & W		Blank
17	R	0...100	NH ₃ level as ppm
18	R	1...5	Air quality rating, 1: best ... 5: worst
19	R & W		Blank
20	R & W		Blank
21	R & W	0 or 1	Analog output 1 source, 0: measured value, 1: set value from Register 22
22	R & W	0...1.000	manual set value for analog output 1
23	R & W	0 or 1	Analog output 2 source, 0: measured value, 1: set value from Register 24
24	R & W	0...1.000	manual set value for analog output 2
25	R & W		LOW limit for Relay
26	R & W		HIGH limit for Relay
27	R & W	0 or 1	Relay contact position, 0:Open, 1:Close (between LOW-HIGH limit sets)
28	R		Input 1, raw value
29	R		Input 2, raw value
30	R & W		Blank