

Ammonia (NH₃) Transmitter

Applications

- Poultry, air quality and ventilation control
- Air quality applications: measuring NH₃ concentrations as of odors; tobacco smoke, body odor, or material fumes in cinema/ theatre halls, exhibition halls, restaurants, canteens, shopping malls and conference rooms etc

Features

- Maintenance free compact MEMS sensor
- NH₃ ranges: 100ppm
- Operating voltage AC 24 V or DC 14...35 V
- NH₃ output signals 0...10 Vdc, 0...5 Vdc and 4-20 mA
- Fixed or field selectable output types
- Simple and fast mounting
- 2 universal input option
- Modbus – RS485 port
- Relay option
- Wi-Fi option
- LCD Display



Technical Data

Electrical	Power Supply	AC 24V (± 5%), 50-60 Hz DC 14...35 V
	Power Consumption	< 2.5 W
Outputs	Current Output	4...20 mA, maximum 500 Ω
	Voltage Output	0...10 Vdc, minimum 1.000 Ω 0...5 Vdc, minimum 1.000 Ω
	Relay Output	max. rating 3A @ 220 Vac
Accuracy	NH ₃	±3 % for 0...100 ppm
General Data	Sensing Element	MEMS
	Media	Air or non-aggressive gasses
	Temperatures	operating: -25 ...+70°C, storage: -30 ...+85°C
Ranges	NH ₃	0...100 ppm
Connections	Terminals	Pluggable screw terminal, maximum 1.5mm ²
	Cable Gland	M16 or PG9
Protection	SNH.D series	enclosure: IP65 or NEMA 4, probe: IP41 or NEMA 3
	SNH.W series	enclosure: IP65 or NEMA 4, probe: IP41 or NEMA 3
	SNH.R series	enclosure: IP40 or NEMA 1
Standards	EMC Directive	EN 61326-1
	CE Conformity	CE1705
Dimensions	SNH.D series	enclosure: 98.0 x 81.5 x 45.5 mm, probe: ø12 mm x 255 mm, SS-304
	SNH.W series	enclosure: 98.0 x 81.5 x 45.5 mm, probe: ø12 mm x 46.5 mm
	SNH.R series	enclosure: 80.0 x 80.0 x 34.2 mm
Weight Packed	SNH.D series	398 gr
	SNH.W series	229 gr
	SNH.R series	82 gr
Sample Codes	SNH.D10	duct type, out1: 0...10V, out2: no, no options
	SNH.WF0.LR	wall type, out1: field selectable, out2: no, options: LCD and Relay

model	mounting t.	output 1	output 2	options
SNH	D duct	0 no output	0 no output	M modbus
	R room	1 0...10 Vdc	1 0...10 Vdc	L LCD
	W wall	2 2...10 Vdc	2 2...10 Vdc	R relay
		3 0...5 Vdc	3 0...5 Vdc	W wi-fi
		4 1...5 Vdc	4 1...5 Vdc	P PID out
		5 4...20 mA	5 4...20 mA	1 1 input
F 0...10Vdc or 4...20mA, field selectable	F 0...10Vdc or 4...20mA, field selectable	2 2 inputs		