



# Ammonia Detector-Transmitter E2608-NH3



## Features

- Wall-mount or duct-mount version
- Industrial housing, attached or remote sensor
- Two analog outputs settable to 4-20 mA or 0-10 V
- Two relays for alarm / ventilation control
- RS485 Modbus RTU digital interface

## Specifications

Calibration	Ammonia NH <sub>3</sub>
Sensor type	standard: metal-oxide gas sensor option: electrochemical
Sampling method	diffusion
Detection range	0...1000 ppm NH <sub>3</sub>
Resolution	1 ppm NH <sub>3</sub>
Accuracy	± 5 ppm NH <sub>3</sub>
Signal update	every 1 second
Response time	~2 minutes
Maintenance interval	12 months for MO sensor 6 months for EC sensor
Sensor lifetime	> 5 years for metal-oxide sensor > 2 yaers for electrochemical sensor
Self-diagnostics	full functionality check at start-up
Warm-up time	≤ 1 min
Power supply	11...30 VDC or 90...265 VAC
Power consumption	< 2 W
Digital interface	RS485, Modbus RTU protocol
Analog outputs	2 × 4-20 mA / 0-10 V, user settable
Output relays	2 × SPST relays (closing contact), 250 VAC / 30 VDC, 5 A max
Default alarm set-points	25 ppm / 35 ppm NH <sub>3</sub>
Enclosure	light grey ABS plastic, wall mount, protection class IP65
Dimensions	H85 × W82 × D55 mm
Cable options for remote probe	shielded cable 3, 10 or 25 m metal-oxide sensor 2,5 or 5 m electrochemical sensor
Operating environment	industrial indoor and outdoor locations
Operating conditions	-10...+50 °C, 0...100 %RH

