

Ammonia

(NH₃) Transmitter 4..20mA



KEY FEATURES

- *Wide product range with different models*
- *ATEX approved models*
- *Output 4..20mA*
- *Measuring ranges 0ppm till 50% LEL*
- *Different sensor options*
- *Factory pre calibrated*
- *Ambient temperature -35 °C .. +55 °C*

- Ammonia (NH₃) detectors

General:

There are different methods to measure Ammonia, every method have advantages and disadvantages. It's therefore important to choose right product to your application.

The different methods are also more or less suitable depending on what gas concentration that shall be measured. The most common methods are Semi conductive, Carrier Injection, Electrochemical and Catalytic sensor.

Typical characteristics:

- **Semi conductive**, low price and low service cost but limited selectivity. Long time stable. Expected life time 8-10 years.

- **Carrier injection**, high selectivity in low to medium concentrations. The method is recommended in rough conditions with huge changes in temperature and humidity. Expected life time 2 years.

- **Electrochemical**, high selectivity in low concentrations. Expected life time 2-3 years.

- **Catalytic**, high selectivity in high concentrations. Expected life time 2 years.

Technical Data:

Gas type: Ammonia

CS21

Material: Metal
Method: Semi conductive
Ambient temp: -30 °C .. +55°C
Dimensions: 100x100x57 mm
Weight: 0,385 kg

CI21

Material: Metal
Method: Carrier Injection
Ambient temp: -35 °C .. +55°C
Dimensions: 100x100x57 mm
Weight: 0,385 kg

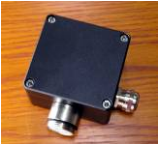
EC28


Material: Metal
Method: Electrochemical
Ambient temp: -20 °C .. +50°C
Dimensions: 100x193x55 mm
Weight: 1,0 kg


CC28


Material: Metal
Method: Catalytic
Ambient temp: -20 °C .. +50°C
Dimensions: 100x193x55 mm
Weight: 0,8 kg

Product summary

Order code	Model	Description		
	CS21	4-20mA output Ambient temperature -30 °C .. +50°C IP54		
35-130	CS21-NH3	0-1000 ppm		
	Remote sensor	Option		

	CI21	Detectors especially developed for harsh conditions for example marine applications with huge temperature and humidity changes. 4-20mA output. Ambient temperature -30 °C .. +50°C IP54		
35-100	CI21-200	30-200 ppm		
35-110	CI21-1000	30-1000 ppm		
35-120	CI21-10000	30-10000 ppm		
	Remote sensor	Option		

Order code	Model	Description		
	EC28	ATEX classified Output 4..20 mA Supply 15-30VDC <i>Option, LCD display</i>		
35-140	EC28-NH3-1000	30-1000 ppm		

	CC28	ATEX classified Output 4..20 mA Supply 15-30VDC <i>Option, LCD display</i>		
35-150	CC28-NH3	0-4%		