



KEY FEATURES

LONG-LIFE AMMONIA SENSOR

It is designed for stable NH₃ background conditions without signal drift and offers a long lifespan in air, exceeding two years.

ANALOG OUTPUT

The device provides an analog output 4-20mA or 0-10V, depending on the version, for interface with external controller.

EASY INSTALLATION

The device is compact and lightweight, ensuring an extremely simple installation process.

COMPENSATED

Equipped with built-in temperature sensors the signal is automatically compensated to ensure maximum accuracy.

COMPETITIVE PRICE

It offers the most cost-effective solution on the market, combining low unit price with minimal installation and management costs

PRODUCT APPLICATIONS

- Environmental monitoring in livestock and agriculture
- Ventilation systems and air quality control
- Chemical and manufacturing industries
- Waste storage and treatment facilities

DESCRIPTION

The AGRI-C-NH₃ transmitter is designed to monitor consistent ammonia (NH₃) levels using the advanced NH₃ sensor, maintaining performance without degradation. The sensor operates effectively in a wide range of environmental conditions, providing stable and accurate readings. The device has a temperature compensation feature for a more precise sensor reading. The NH₃ sensor can continuously function with background ammonia levels, offering durability and low maintenance for long-term use. The device communicates with the 4-20mA standard or 0-10V, depending on the version, ensuring a wide range of compatibility with existing systems and offering an easy-installation with less cables.

TECHNICAL SPECIFICATIONS

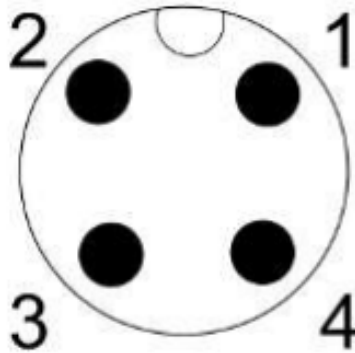
NH₃ Sensor

measurement technology	3 - electrode Electrochemical
measurement range	from 0 to 200 ppm
resolution	1 ppm
sensor life expectancy	5 years in fresh air
temperature range	from -40°C to 40°C

Electrical characteristics

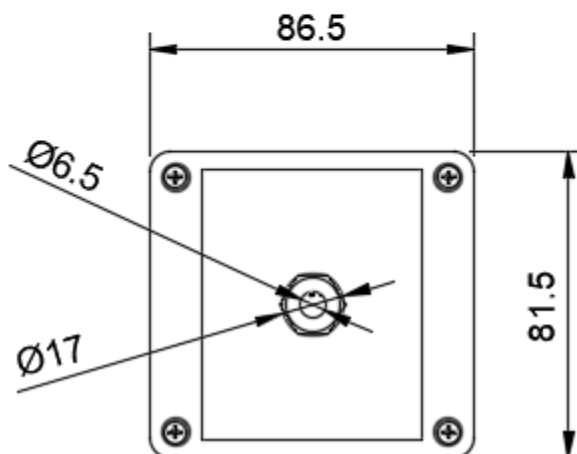
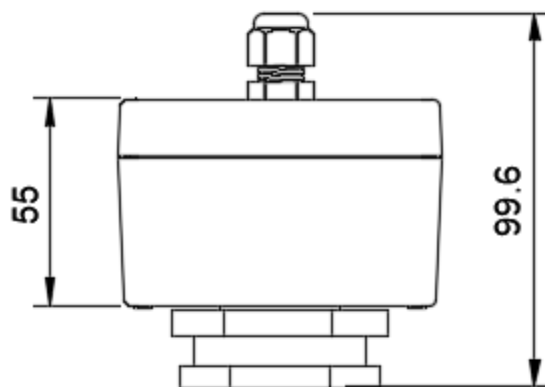
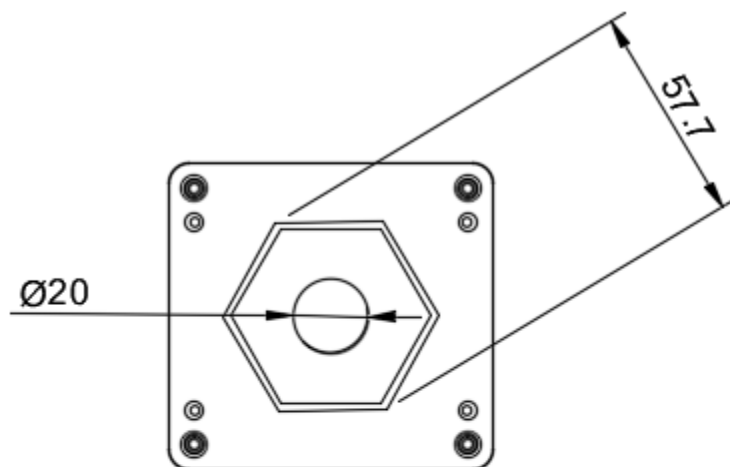
operating voltage	from 18V to 28V
consumption	max 20 mA (4-20mA version) 5mA (0-10V version)
max supply ripple	200mV
protection	reverse connection and overvoltage protection
IP classification	IP65
housing	wire connection

PINOUT



PIN	4-20 mA	0-10 V
1	power 24 Vdc	power 24 Vdc
2	N/A	0-10 V
3	N/A	GND
4	4-20 mA	N/A

DIMENSIONS



checkup

OBJECTS WITH LIFE INSIDE