

ECtox - Long Life Ammonia Detection in Farming Environments

Healthy Air for Animals and Humans alike

High toxic NH_3 concentrations are continuously produced by animal waste. In animal housing, humidity increases due to a high population of animals in a confined space.











Therefore, a Gas Sensor is needed to monitor a healthy air quality limit for animals and humans alike. This device must withstand the high continuous gas concentrations and humidity in the air.

ECtox can withstand:

- > 85% Humidity
- > 20ppm Long-term NH_3 gas concentration presence

EC Sense developed the solution!

For Ammonia Detection in Farming Environments

-  **Fully Calibrated**
-  **High Humidity Resistance**
-  RoHS Approved
-  Output: RS485 (Modbus)
-  **No Maintenance** → Self-Monitoring
-  Water, Dust and Corrosion Resistant
-  **Long Lifetime** in continuously **high Ammonia Environment**
> 5 years
-  Anti-Interference / Poison Resistance: Performance & Measurement unaffected by presence of other gases
-  For Indoor & Outdoor, works in -20 to $+55^\circ\text{C}$
-  Automatic Scaling: Simultaneous measurement of low (0.5 ppm) & high (500 ppm) NH_3 concentrations



Applications

- Pig Farms
- Insect Farms
- Poultry Farms
- More...