



ARANET WIRELESS MONITORING SOLUTION FOR POULTRY FARMS

Ammonia resistant temperature and relative humidity, NH_3 , CO_2 , CO, differential pressure, light, water, electricity and heating monitoring

The Aranet wireless IoT solution for chicken farms is a new disruptive technology for the poultry industry. Environmental sensors using proprietary Aranet radio technology offer unprecedented ease of use in both setup and operation. Now you can obtain a detailed view of the microclimate in your barns allowing you to avoid negative consequences on bird health, such as respiratory diseases or footpad infections. The in-built alarm functionality allows you to react within minutes to any potential problems that may occur with ventilation, saving you enormous costs in lost chicken lives.

The Aranet System

The Aranet Poultry solution consists of **wireless environmental sensors** that send the data to the **Aranet PRO base station** using Aranet 868/920 MHz radio technology. The base station comes equipped with internal memory for storing data up to 10 years, a built-in webserver with free software for alarms, graphing, data export and configuration. Additionally, several base stations can be connected to the **Aranet Cloud** to be managed in a single dashboard for large scale operations. The system is plug-and-play, with industry leading installation simplicity – it can be deployed rapidly by anyone without any prior IT knowledge.





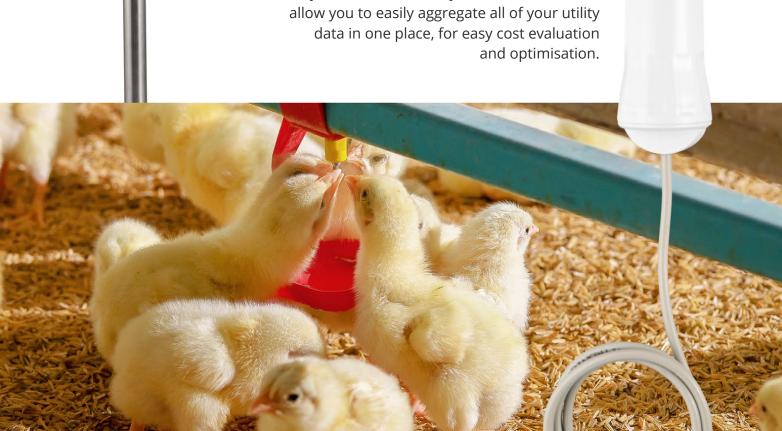
CO₂ sensors – even though birds can typically withstand higher CO₂ levels than humans, it's still important to check whether limits are not exceeded, and the health of birds is not unnecessarily harmed. CO₂ is also a good indicator of the quality of ventilation in chicken barns.

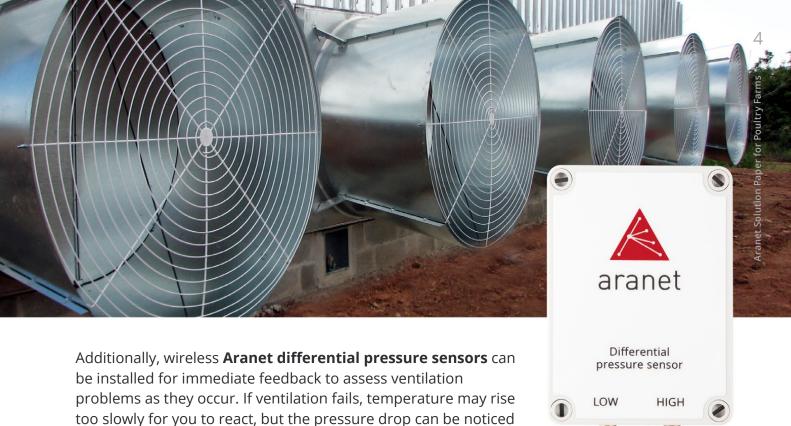
CO sensors are used in cases where heating is done with natural gas. As CO buildup can be fatal for both animals and humans working inside, it is helpful to have an alarm system, like the one built in the Aranet base, that will inform you when the environment has become potentially hazardous.



Light sensor – lighting is an essential factor for the development and correct functioning of chickens' reproductive system and growth. It is important factor for control of many physiological processes. Light intensity affects broiler behavior. The Aranet lux sensor is used to monitor light intensity and duration helping you to ensure healthy development of your birds as well as controlling feed intake.

Impulse counters – adding these sensors to your water, electricity and heat meters will





too slowly for you to react, but the pressure drop can be noticed within a minute, with the Aranet base station sending you an alarm and allowing you to save your precious birds in good time.



Try the Aranet wireless monitoring solution for poultry farms now, increase your profits, optimize your costs and ensure a healthy and productive life for your chickens!



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