

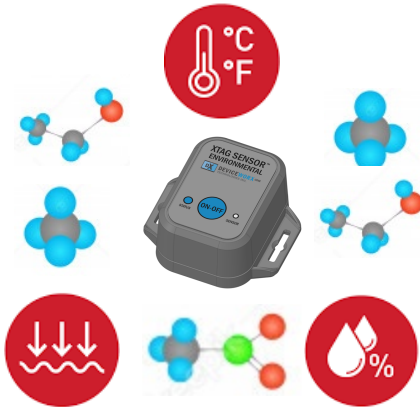


# Protect People, Crops, Animals & Equipment with the xTAG Environmental & xTAG Gas Sensors



Deviceworx xTAG Environmental Sensors accurately measure air temperature, pressure, and humidity. xTAG Gas Sensors measure the concentration of Volatile Organic Compound (VOC) and Volatile Sulphur Compound (VSC) gases in air. There are a vast array of measurable VOC/VSC gases including sewage gas, propane, natural gas (methane), construction off-gases, fire off-gases ... The xTAG Gas sensor supports Artificial Intelligence (AI) and can be “trained” to measure any of these gases.

Use these xTAG Sensors to monitor the air within spaces to ensure temperature, humidity and dangerous gases are within safe limits to protect people.



Monitor the exposure of crops to damaging high temperatures and humidity within storage and shipping spaces. Recover crop damages by proving where and when they were exposed to harsh environments.

Protect livestock and pets by monitoring their exposure to damaging levels of temperature, humidity and dangerous gases.

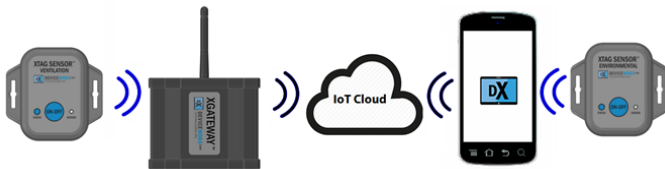
Ensure equipment is healthy by collecting operational data such as bearing casing temperatures, filter upstream pressure (increases when clogged), exhaust gas composition etc.

Monitor fire types and burn rates. Specific fire fuels (e.g. grasses vs trees) exhaust specific VOCs. Measuring specific VOCs in smoke using the xTAG Gas Sensor can indicate what is burning as well as how fast.

Operators can review environmental and gas concentration data within Internet of Things (IoT) cloud-based reports. Cloud functions can also trigger alarm messages to Smartphones via email or text alerts whenever data crosses a safety threshold. Alarming can prove crucial in vacating a dangerous space saving the lives of people or animals within that space. Alarming and monitoring of equipment ensures that equipment faults are dealt with in a timely manner to avoid unplanned production stops that cost operations dearly. Sensor-logged crop batch environmental and location data is uploaded to the cloud for later review. Exposure of crops to poor environments can be addressed by process improvements or claims against a storer or shipper. Service providers can deploy xTAG Sensors and charge operators to view reports and receive alerts under a Software as a Service (SaaS) business model to dramatically increase revenue.



All xTAG Sensors can make wireless (long range Bluetooth) cloud connections using Deviceworx xGATEWAY IoT Gateways.



In some cases, simple, opportunistic acquisition of xTAG data to the cloud may be all that is required. In these situations, operators can use the xTAG Explorer app as an IoT Gateway. This app can collect sensor data over Bluetooth for cloud storage, reporting and alarming (using Wi-Fi or cell data).

Contact our sales team ([sales@deviceworx.com](mailto:sales@deviceworx.com)) to learn more about how we can help address all of your environmental and gas monitoring challenges.