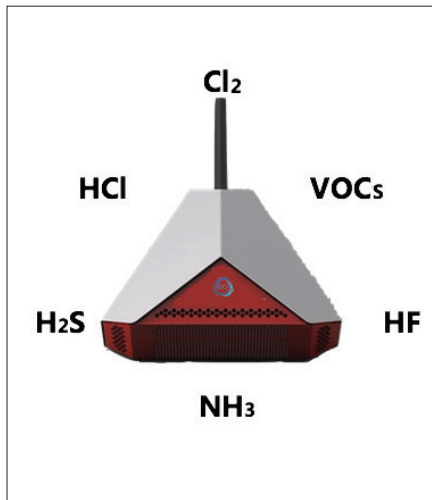


SCI-700- For Hazardous Gas Monitoring



Sensor Based Air Quality Measurement



Description

The SCI-700 - For Hazardous Gas Monitoring series sensor nodes are designed to monitor several toxic and hazardous gases in the ambient air in and around industrial facilities. The sensors are capable of monitoring several chemical species simultaneously including NH_3 , Cl_2 , HCl , H_2S , HF and total VOCs along with ambient temperature and relative humidity. Because of the relatively low cost, a large number of these sensors can be deployed and used to identify pollution sources based on concentration gradients and other approaches. The sensor data is automatically uploaded to the cloud via cellular networks and the data can easily be visualized using a convenient cloud-based software package.

Specifications

Measurement Performance

Parameters	Principle	Range
Cl ₂	Electrochemical Method	0-20ppm
HCl	Electrochemical Method	0-20ppm
H ₂ S	Electrochemical Method	0-50ppm
NH ₃	Electrochemical Method	0-50ppm
HF	Electrochemical Method	0-10ppm
VOCs	Metallic Oxide	0-10ppm

Sensor Applications



Industrial Area Monitoring



Residential Area Monitoring



Waste Incineration Monitoring



Emergency Monitoring