

Eagle EYE Stand-alone Monitors

PHOTO

Eagle EYE stand-alone monitors help to protect people, animals and the environment with technologically advanced sensors and state of the art communications in a compact, highly portable and cost effective package.

Features:

1. Sensors read in parts per billion – each unit can report up to 4 sensors - most common configuration for oilfield application includes H₂S, SO₂ and NO₂ with one space optional
2. 1x cellular communication for wide Telus coverage
3. Constant GPS readings to locate units
4. Sonic wind anemometer for accuracy and maintenance free operation
5. Real time readings displayed on secure website for authorized personnel
6. Solar panel charges advanced battery pack for true stand-alone capability
7. Low maintenance design to minimize downtime and service calls.
8. Alarm reports passed on to customer by Eagle Technologies Ltd. personnel
9. Dedicated web server on military power grid ensures website availability near 100%

Optional Gas Sensors:

- Flammable gases
- Chlorine
- Nitric Oxide
- Carbon Monoxide
- Oxygen

Current Applications:

Eagle EYE units can play a valuable and cost effective role any time there is a requirement for accurate, real time information regarding ambient gases and/or wind speed and direction. This might be in response to legislative compliance, community concerns and/or corporate policy.

Applications in the oil and gas industry would include drilling, work over and completion sites, gas processing facilities and refineries. It would also include other industrial sites where gas emissions might be of concern. The units can be used to establish a baseline prior to commencement of operations in addition to monitoring while operations are in progress.

Other Possible Applications:

There are a multitude of other sensors available, such as temperature, pressure, humidity, vibration, proximity, light, sound, fluid level and flow to name a few. The Eagle EYE system can be used to record, transmit and display these readings, in any desired combination, on an up to the minute basis – the possible applications are many and varied. In general, any sensor that works with voltage or amperage outputs is probably adaptable for use with the Eagle EYE system.

Typical Sensor Specifications:

	H2S	SO2	NO2
Operating Range (ppm)	0 – 25	0 – 20	0 - 10
Resolution (ppm equivalent)	<0.10	<0.10	<0.02
Response Time (seconds)	<35	<30	<60
Temperature Range (deg. C)	-30 to +50	-30 to +50	-30 to +50
Operating Life (months)	24	24	24

Sensors for these gases are available with a variety of Operating Ranges, other specifications are similar.