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Toxic Gas Detector

Description

Universal 2-wire toxic gas transmitter handles 28 different gases, providing the most economical and flexible gas measurement system available today. Combining universal electronics, bench calibration capability, automatic sensor verification, fault detection and alarming, and superior sensor technology, this is your best transmitter choice.
The model is designed for ambient gas monitoring in all kinds of industrial environments: gas storage areas, gas compressor rooms, process piping galleries, rail car sidings, analyzer shacks, gas cabinets, chemical process areas, and more. In fact, the transmitter can be used most anywhere that hazardous gas conditions might develop either through leakage or through natural build-up.

Sensing modules consist of an electrochemical gas diffusion sensor and a solid state memory assembly. Developed exclusively, our electrochemical sensors provide excellent response time, maximum selectivity, and superior temperature stability for reliable gas sensing in a wide range of environments. The companion memory assembly stores operational information and calibration constants, along with gas sensor identification, sensing module range, and software revision level. Complete sensing modules are housed in convenient snap-in packages that mate easily with these transmitters.

Wet H2S Gas Detector

Odour control in wastewater treatment plants and sewage collection systems often requires the use of scrubber systems. Many of these scrubbers employ a wet process using a hypochlorite solution to remove hydrogen sulphide (H2S) from air streams prior to discharge. Monitoring the hydrogen sulphide in both inlet and discharge air has presented problems for standard sulphide gas sensors. Wet H2S Gas Detector is a new type of gas sensor technology that allows continuous monitoring in this type of application, where condensing humidity conditions are normal.

The model is an odour monitoring system that uses our standard electronics package in conjunction with a special Wet H2S sensor. Measurements may be either at the inlet to scrubber systems where gas concentrations can run as high as 200 PPM or at the outlet, where gas concentrations are ideally down below 0.5 PPM. Special gas sensor configurations are available for either duct insertion or flow cell use.

Ammonia Gas Detector

The Model IR Infrared Gas Detector is a rugged reliable microprocessor based intelligent gas detector. This can be used to monitor from PPM levels to explosive levels of ammonia gas. This is ideally suited for use in harsh environments where electrochemical sensor life can be short. Areas such as engine rooms, emergency vents, or other high level NH3 areas are excellent applications. The IR Infrared Gas Detector will perform reliably in the presence of silicone and other catalytic poisoning agents and can also operate in oxygen free environments or where high background gas levels are present. There are no known poisons that affect this technology. This is a stand-alone device providing a linear continuous 4 to 20 mA output representing 0 to full scale.