

Wet Gas Sensor/Transmitter

The Gas Transmitter for the detection of _____ (Specify Gas) shall be provided to monitor the gas concentration in wet 100% moisture saturated atmosphere in the _____ (Specify Location). Each gas transmitter shall be housed in a NEMA 4X enclosure and available with an optional LCD display to indicate either PPM or % gas. An explosion proof transmitter enclosure can be provided for hazardous locations. The transmitter shall provide a 4-20 mA analog signal proportional to the gas range and be loop powered, 12 to 28 VDC.

The sensor shall be designed for either direct insertion into a vent stack or for use in a flowcell where sample pumping may be required. The sensor shall connect to the transmitter via a 25 foot 5-conductor cable with quick disconnect connector. The sensor shall be electrochemical, polarographic with a special membrane to isolate the electrodes from the gas stream and allow gas to diffuse into the sensor resulting in a reaction between the electrodes and resulting in signal to be amplified by the transmitter. A precision RTD shall continuously compensate for effects of temperature and provide a feedback signal to the transmitter circuit.

Optional associated equipment:

Model B14 Receiver and alarm module (see specification sheet TS/B14)

Model A21 Gas Sample Pumping System (see specification TS/A21)
