

Two-Wire Gas Sensor/Transmitter

The Gas Transmitter for the detection of _____ (Specify Gas) _____ shall be provided to monitor the ambient gas concentration in _____ (Specify Location) _____. Each gas transmitter shall consist of a NEMA 4X transmitter enclosure with a close coupled gas sensor. The Gas Sensor/Transmitter shall be ATI Series B-12 loop powered 2-wire transmitter with a 4-20 mA analog output signal proportional to the gas concentration.

The Gas Transmitter shall measure gas concentrations in atmosphere using electrochemical diffusion sensor technology and electrically connect to the transmitter PC board via plug-in connector. Calibration shall be by zero and span potentiometers located on the transmitter PC board. For proposes of calibration, test loops for voltmeter connection shall be located on the transmitter PC board. Output shall be 4-20 mA analog loop powered, 12 to 30 VDC.

Optional

1. Each gas transmitter shall consist of a NEMA 4X transmitter enclosure with a LCD display located on the enclosure lid with a close coupled gas sensor. The Gas Sensor/Transmitter shall be ATI Series B-12 loop powered 2-wire transmitter with a 4-20 mA analog signal proportional to the gas concentration.
 2. Each gas transmitter shall consist of a transmitter enclosure rated explosion proof for Class 1, Division 1, Groups B, C & D with a close coupled gas sensor. The Gas Sensor/Transmitter shall be ATI Series B-12 loop powered 2-wire transmitter with a 4-20 mA analog signal proportional to the gas concentration.
 3. Each gas transmitter shall consist of a NEMA 4X transmitter enclosure with insertion sensor that can be located up to 25 feet from the transmitter. The insertion sensor shall be provided with a $\frac{3}{4}$ " NPT insertion adapter specifically designed to adapt the sensor for pipe or duct mounting and enable the sensor to be extracted from the process for calibration or servicing. The insertion probe adapter shall contain a gas calibration chamber in the extracted position with a $\frac{1}{8}$ " barb fitting port for attachment of calibration gas.
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