

Combustible Gas Sensor/Transmitter

A Gas Transmitter for the detection of Combustible Gases shall be provided to monitor the ambient gas concentration in _____(Specify Location)_____. Each gas transmitter shall consist of an explosion proof enclosure rated for Class 1, Division 1, Groups B, C, & D. The Gas Sensor/Transmitter shall be the ATI Series B-12-17 Transmitter producing an isolated 4-20 mA analog output signal proportional to 0-100 % LEL combustible gas concentration (Lower Explosive Limit).

The Gas Transmitter shall measure combustible gas concentrations in atmosphere utilizing poison resistant catalytic bead sensor technology. 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, 10 to 28 VDC.

Optional

1. Each gas transmitter shall consist of a windowed transmitter enclosure with a viewable LCD display and adjustable 1 amp SPDT alarm relay and housed in an enclosure rated for Class 1, Division 1, Groups A, B, C, & D.
2. Each gas transmitter shall consist of an explosion proof transmitter enclosure with a remote sensor that can be located up to 50 feet from the transmitter. The remote sensor shall be provided with a permanently installed calibration adapter with a 1/8" barb fitting port for attachment of the calibration gas tubing and run to a convenient location close to the transmitter.