



## Gas Monitoring System

### A. General:

The Gas monitoring system shall continuously measure and display gas concentration and provide alarms when preset limits are exceeded. The gas detection system shall consist of combustible gas, hydrogen sulfide gas, and oxygen sensors/ transmitters. Transmitters will send signal to local controller or PLC.

### B. Detectors

1. **Type:**
2. **Range:**
3. **Expected Life:**
4. **Temperature Range:**
5. **Response Time:**
6. **Drift:**
7. **Repeatability:**
8. **Filter: As required for dust**
9. **Sensor Guard: Required for Moisture Protection**
10. **Enclosure: Explosion Proof or NEMA 4X**
11. **Non-intrusive Calibrations: No internal adjustments or pots**
12. **Calibration Instructions: Scrolling on LCD Display**
13. **Internal Relays:**
14. **Visual Alarms:**
15. **Audible Alarms:**
16. **Wiring: Three Conductor 18-22AWG Shielded Cable**

### C. Manufacturer and Model

1. Conspec Controls Inc. 1-800-487-8450
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