



Critical Environment Technologies

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QUESTIONS TO ASK A CUSTOMER LOOKING FOR A GAS DETECTOR

1. **EXACTLY WHAT IS YOUR APPLICATION?** EG. UNDERGROUND VEHICLE PARKING, PLANT SAFETY, ETC. *(THIS WILL HELP YOU DETERMINE IF YOU NEED TO MEET OHS STANDARDS AND ALLOW YOU TO SELECT THE RIGHT SENSOR AND CONTROLLER).*
2. **WHAT IS THE SOURCE OF THE TARGET GAS?** EG. VEHICLE EXHAUST, CONTAINERS OF STORED CHEMICALS, ETC.
3. **WHAT GAS(ES) ARE YOU WANTING TO DETECT?**
4. **ARE THERE ANY OTHER SOURCES OF TOXIC OR COMBUSTIBLE GASES IN THE AREA TO BE MONITORED?** *(THIS WILL DETERMINE THE POTENTIAL FOR CROSS-SENSITIVITY OF THE TOXIC SENSOR AND FALSE ALARMS).*
5. **ARE THERE EXTREMES OF TEMPERATURE AND HUMIDITY IN THE AREA TO BE MONITORED?**
6. **DO YOU REQUIRE SOME TYPE OF CONTROL?** SUCH AS DRY RELAY CONTACTS, ANALOG OUTPUT SIGNAL OR QUANTITATIVE DIGITAL DISPLAY?
7. **WHAT DO YOU WANT TO DO WHEN THE SENSOR DETECTS THE PRESENCE OF UNSAFE LEVELS OF THE TARGET GAS?** EG. ACTIVATE EXHAUST OR MAKE-UP AIR FANS, ACTIVATE VISUAL AND / OR AUDIBLE ALARMS, ETC.
8. **IS THE TARGET ENVIRONMENT INDOORS OR OUTDOORS?**
9. **IS THE TARGET ENVIRONMENT EXPLOSION RATED (CLASSIFIED AREA)?**
10. **WHAT IS THE SIZE OF THE AREA TO BE MONITORED?**
11. **DO YOU PREFER A CENTRAL CONTROL PANEL OR SMALLER SELF-CONTAINED SYSTEMS?**