

OI-79-1017-02

A single- or dual-sensor sampling system designed for gas detection in extreme temperature and pressure environments. A high-powered aspirator draws samples from up to 100 feet, filtering and delivering them to one or two detectors that share a common calibration and air supply.

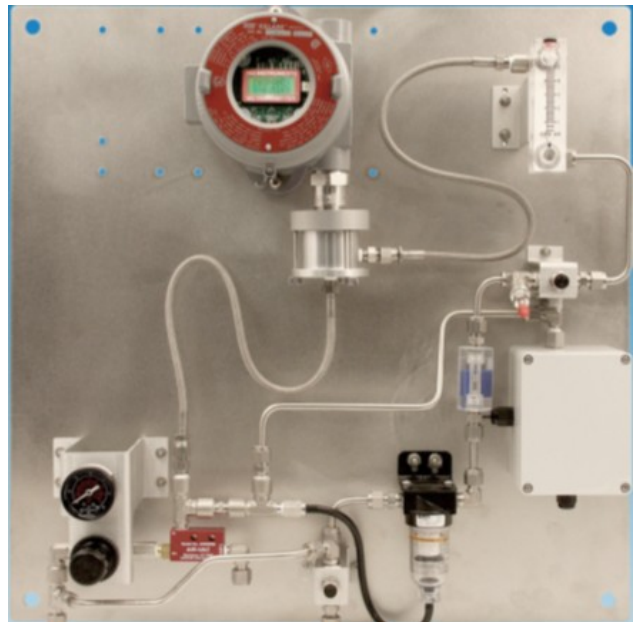
Key Features:

- Remote Sampling: Aspirated sampling up to 100 ft
- Extreme Environment Capability: Designed for high temperature and pressure conditions
- Dual-Sensor Option: One or two detectors with shared calibration system
- Fail-Safe Monitoring: Flow fail device alerts on blockage, damage, or air supply loss
- Flexible Integration: Compatible with direct-connect controllers or OI-6000 transmitters (4–20 mA and Modbus RS485)
- Low Maintenance Design: No moving parts, self-draining moisture trap, and backflush capability
- Durable Construction: Corrosion-resistant with NEMA 4X enclosure options (stainless steel or GRP)

Applications:

- Flammable, oxygen, and toxic gas monitoring
- Wastewater and drinking water facilities
- Gas turbine and exhaust monitoring
- Tunnel and landfill monitoring
- Solvent recovery and industrial processes
- Winery CO₂/O₂ and biogas methane detection
- H₂S scrubber breakthrough monitoring

This system delivers reliable, low-maintenance gas detection with flexible integration for demanding and remote sampling applications.



Single or Dual Sample Draw System

Product Specifications

Gas Sensors	One or two
Gas Sensor Options	H2, CH4, HC's 0-100% LEL, CO, CO2, H2S and O2 (further gases, contact Otis Instruments)
Sensor Type	Catalytic Bead, Electrochemical, IR
Maximum Sample Line Length	100 feet (1/4"OD, tubing)
Compressed Air Requirements	10 to 140 PSI compressed air to N2
Mounting Panel	Stainless Steel: 21" x21"
Operating Temperature	-40 C to +60 C
System Enclosure	GRP or Stainless Steel
Sample Flow Rate Across Detector	3 SCFH (1.5 LPM)
Compressed Air Usage	Typical 6 SCHM (3 LPM)
Approvals	Detector: Class I Div I, Groups B, C and D
Display	OI-6000 detector local display
Outputs	Low flow contact, normally open (NO)
Purge/Calibration	Manually operated spring return valves for calibration and back purge of the filter/ sample line.
Filtration	Coalescing filter, automatic drain, 5 micron particulate, with transparent bowl
Warranty	1 Year Limited