

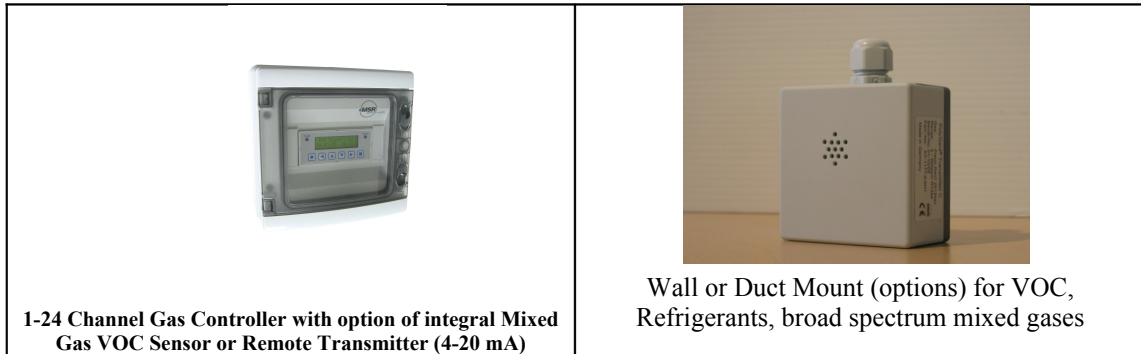
### ATTENTION!

\* Mechanical Engineer  
\* Maintenance Engineer

\* Sales Engineer  
\* Environmental Engineer

\* Ventilation Engineer  
\* Project Manager

### MSR PolyGard Mixed Gas VOC (broad spectrum) Sensor/Controller



#### APPLICATIONS:

<b>Filter Breakthrough</b>	<b>Odour, tobacco smoke, foul air</b>	<b>Unknown concentration of gases</b>
<b>Clean Room</b>	<b>General Broad Spectrum Gases (VOC)</b>	<b>Human / Asset Safety</b>

MSR Germany is pleased to introduce the PolyGard VOC Mixed Gas Sensor/Transmitter (broad spectrum) for use in monitoring of general ambient air for host of toxic/combustible gases including HFC/HCFC Refrigerants. It finds ideal application where the types and concentration of gases is NOT Known. Due to its application it can also be called Broad Spectrum Gas Sensor/Transmitter (VOC - volatile organic solvents like Acetone, Methylated Spirit, Methanol, Toluene, Ethyl Alcohol, Isop. Alcohol used in laboratories – not for qualitative monitoring)

#### Features/Specifications

- Temperature compensated solid state semi-conductor sensor (**for Mixed VOC broad spectrum Gases**).
- Plug-in PCB and Sensor for easy service and replacement (Detection Range: 0-100% LEL Hydrocarbon)
- Wall mount enclosure 100 mm x 100 mm (optional duct mount)
- Expected sensor life span: 5 years plus.
- 4-20mA analogue output ( for broad spectrum detection or breakthrough only)
- Accuracy:  $\pm 10\%$
- Temperature: 0° to + 40°C (higher temperatures with de-rated accuracy)
- Humidity: 0 to 90% non-condensing
- Power: 24 V DC (240 VAC with plug pack, optional)
- Controller Input / output: 4-20 mA (Also 3 x digital inputs – for remote mute switch)
- Controller comes with display, keypad, relays for A-V alarms. – **optional Buzzer, remote a-v alarm**
- Other gas types: Refrigerant sensors, Ammonia, CO, Hydrocarbon (Ex), Oxygen, NO, NO2, CO2 Cl2, H2S, O3
- Controller output: 4-20 mA (**Option**) for plant DCS/BMS, SCADA or PLC system, 4 x relays, 1 x fault relay