

Trigard Gas Monitor

The MSA Trigard Monitoring System is designed for monitoring toxic gases, combustible gases and oxygen deficiency or enrichment. This system is an affordable monitoring solution for a variety of applications, including water and wastewater plants, lab space, boiler rooms, commercial and general industry.

Features

- Adjustable range
- Multiple sensor mounting options
- AC- or DC-powered
- NEMA 4X design
- LCD display with highly visible LED indicators
- Piezo horn with horn silence button
- Simple push-button calibration
- Available as single- or three-point unit

Advanced Features

Sensor Disconnect Under Power

- MSA's patented feature allows for sensor change-out without declassifying a hazardous area

Interchangeable Smart Sensors

- Pre-calibrated sensor modules are ready for installation out of the box. Sensors can be replaced in the field without the use of tools. Unit quickly recognizes the new sensor type and reconfigures alarm and relay settings to optimize the new sensor

State-of-the-Art Display

- Liquid crystal display conveniently alternates between sensor reading and gas type, and features scrolling messaging, indicating ongoing diagnostic checks such as sensor end-of-life condition

Onboard LEDs and Relays

- Quick-check LEDs and four relay outputs allow for increased indication of alarm and fault conditions
- Quick-check LEDs, viewable from up to 50 feet, indicate NORMAL (green) and ALERT (red) status conditions
- Field-program-mable alarm levels and normally energized/de-energized, normally opened/closed and latching/non-latching relay functions offer three levels of alarm and a fault

Options

- One or two strobes
- Back-up battery
- Internal power supply

Sensor Options

- Oxygen, toxic and combustible sensors
- Integral mounting
- Remote general purpose
- Remote explosion proof
- Pre-wired shielded cable for sensors in 25-, 50- and 100-ft. lengths (oxygen and toxic only)



Specifications for Trigard Gas Monitor	
GAS TYPE	Toxic, oxygen and combustible (catalytic bead or infrared)
GAS SAMPLING	Diffusion
OUTPUT TYPE	1 sensor: 4-20 mA, 3-wire or Modbus RTU; 2 or 3 sensors: Modbus RTU only
SENSOR LOCATION	Local or remote sensor (up to 100 ft.)
ENCLOSURE	General purpose polycarbonate enclosure
SENSOR TEMPERATURE RANGE	14°F to 104°F (typical)
ACCURACY	Repeatability +1% FS (typical)
SENSOR LIFE	18 months to 2 years
RELAYS	5 amp SPDT; 4 relays (3 alarm, 1 fault) @ 220 VAC or 30 VDC
POWER INPUT	12-30 VDC (standard), 100-256 VAC (optional)
ALARM TYPE	Piezo horn (95 dB) with horn silence button
BATTERY BACKUP	Optional (1,200 mAh)
ENVIRONMENTAL PROTECTION	Designed to meet NEMA 4X