

Model SA-XDS

Multi Sensor Diffusion Monitoring System

Toxics - Oxygen Deficiency - Combustibles - Hydrocarbons - VOCs - Refrigerants

Model SA-XDS diffusion detection systems monitors a wide range of gases in ambient air using Safeguard Analytics SA2 smart sensor modules each with a combination of optional gas types, range of sensitivity and alarm levels. The system can be setup to work in a 2, 4, or 6 Sensor configuration with the display mounted on the interior or exterior of the device. The device has the following features and potential options:

Features & Options

- System controller with full script HMI on a color LCD
- System capacity 1-6 sensors (model dependent)
- Auto-configuration with Safeguard Analytics smart sensors
- MODBUS RTU RS-485 serial output
- Input power options:
 - 12 VDC
 - 90-240 VAC Line Power
 - Battery + Solar
- Data Logging, and Wireless options available
- NEMA 4X weatherproof enclosure for non-hazardous locations

Modular Components

SA-XDS systems are engineered with a modular design, offering flexibility for installation and ease of maintenance across diverse environments. The modular packaging allows for customizable configurations, enabling seamless adaptation to different installation requirements and simplifying serviceability.



HMI Display
Controller



Smart Sensor
Modules



Visual and Audible
Alarm Options



Model SA-6DS
6-Sensor System

Typical Applications:

- Chemical and Petrochemical
- Oil & Gas
- Construction and Reclamation
- Mining Industry
- Environmental Monitoring
- Water and Wastewater Treatment
- Agriculture
- Process Gas Monitoring

Safeguard Analytics

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Questions about SA-XDS systems?

