AQS Site Logger
Data Acquisition - Data Logger - Offsite Analytics

High Sensitivity
Gas Detection PODS

Meteorological
Measurement PODS

Safeguard Analytics AQS Site Logger is a data acquisition and data logging system used for continuous detection and monitoring of fugitive gas emissions and weather conditions. The system is suitable for installation and use in a variety of industrial locations. Gas sensor options include ppm levels of methane and carbon dioxide and ppb levels of toxic gases. Connect up to 32 dual sensor modules and 4 multi-function weather stations. Installation options include wired, wireless 915/868 MHz or wireless LoRaWAN. The system is specifically designed for on-site data collection, data storage and off site data analytics and reporting. Data is stored in a CSV format and can be transported by SD card, FTP or via email. Push notifications can be sent via text or email. Create offsite emission reports by site, by sensor location or by gas type.

General Specifications[1]

System

Site Controller	Color LCD
Network Controller	MODBUS Master
Mounting Dimensions	8.0" W, 10" H, 6" D
	203mm W, 254mm H, 152mm D
Input Voltage Range	90 to 240 AC
	10 to 30 VDC
Power Consumption	≤ 3 watts
Temperature Range	-30°C to +60°C; -22°F to 140°F
Humidity Range	0 to 99% non-condensing
Area Classification	Non-hazardous locations
	NEMA 4X weatherproof

Warranty	2 years

Gas Sensors[2] (Partial List)

Methane	100 ppm to 10,000 ppm
Carbon Dioxide	100 ppm to 10,000 ppm
Hydrogen Sulfide	0.1 ppm to 10.0 ppm
Sulfur Dioxide	0.1 ppm to 10.0 ppm
Volatile Organic Compounds	0.1 ppm to 20.00 ppm
Carbon Monoxide	0.1 ppm to 10.0 ppm

Environmental Sensors

Temperature	-40° C to 80°C
Humidity	0% to 100% RH non-condensing
Barometric Pressure	300 to 1250h Pa
Wind Direction	0 to 360°
Wind Speed	0 to 60 m/s