

AQS Site Controller

Data Acquisition - Data Logger - Offsite Analytics



Safeguard Analytics AQS Site Controller 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 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, 915/868 MHz or LoRaWAN wireless. The system is specifically designed for on-site data collection and storage. Data transport is by USB or an optional modem. Push notifications can be sent via text or email. Data analytics is accomplished via a PC and AQS Analytics graphics and reporting platform. Create offsite emission reports by site, by sensor location or by gas type.

General Specifications¹

System

Site Controller	Industrial PC with 10" touchscreen
Network Controller	MODBUS Master
Mounting Dimensions	14" W, 16" H, 8" D 355mm W, 406mm H, mm D
Input Voltage Range	90 to 240 AC 7 to 20 VDC
Power Consumption	≤ 15 watts
Temperature Range	-40°C to +60°C; -40°F to 140°F
Humidity Range	0 to 99% non-condensing
Area Classification	Non-hazardous locations NEMA 4X weatherproof

Warranty

2 years

Gas Sensors² (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

¹Specifications subject to change without notice

²For additional sensor options visit www.safeguardanalytics.com