

DATA SHEET

AEGIS GAS-PLUS

Automated environmental gauging information system with gas measurement capability

Features

The Aegis gas-plus combines the standard Aegis Environmental Measuring capabilities with the ability to measure specified and Site-specific gases. These gases can include both Volatile and Semi Volatile Organic Compounds (VOCs and SVOCs) along with other gases such as Carbon Monoxide, Carbon Dioxide or Nitrous Oxide to be configured per the customers' specification and needs.

The monitoring and control feature enables the possibility to ring-fence such sites utilizing multiple units. Other applications include roadside and industrial monitoring.

Data from the unit is continuous and accessible via data streaming to computer or mobile devices. Information is presented in a dashboard format by Site Protech's unique online dashboard, this is a paperless system presenting data in graph form with immediate text or email alerts. This can also be accessed by customers with separate login details. As with the other data that the standard unit reports, the levels of acceptability or otherwise may be set to enable the alarm system to be triggered to alert those responsible for site safety.

The compact, robust design is supplied with the option to include Hydrogen Fuel Cell back-up to augment the battery backed solar power capability.

Power un-interruptability is further ensured by remote software monitoring of the HFC's gas fuel levels. The versatility that these options permit allow the units to be used irrespective of mains power availability.

Full installation, maintenance and reporting systems to suit customer needs and requirements are available.



Continued overleaf

Configuration Options

Gases

VOCs and SVOCs are detected and measured utilizing PID technology and include a comprehensive range. VOC examples include Benzene, Butane, Ethane, Octane and Napthalene. SVOC examples include Chloromethane, Tetrachloroethane 1,1,1,2 and Tetrachloroethane 1,1,2,2. Other gases are detected via Potentiostatic Circuit and include Carbon Monoxide, Sulphur Dioxide and Nitrogen Dioxide.

Air Borne Particulate

Health threatening dust particles are measured pm 0.38 to pm 16 and all sizes graphed in ug/m3.

Shock

Physical impacts are continuously measured and monitored by an accurate 3-Axis Accelerometer with mm/s values.

Noise

Site dB values are monitored for operative and public safety.

Temperature

Temperature effects gas values, this option offers an aid to possible investigative actions.

Visual

A high definition directional camera enables remote cause identification, monitoring and control. The capability to view in infra-red facilitates night time vision capture. Motion detection with email and 355-degree coverage. Writes to NAS System with storage 1>12Tb.

Standard Features

- Bespoke software records with Dashboard reporting
- Customer determined alert levels
- Alarms/Alerts via text or email
- Post mounted warning light triggered to set values
- Plug and play installation
- Post heights between 2.8 to 6.8 Metres
- Base is lockable with 4G Router, GSM and battery back-up

For further information for the Aegis Gas-Plus System
and the full range of Site Monitoring and Control Systems, Contact:



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