

## **Product Data Sheet**

# MonoGard Continuous Dust Monitor

### **MonoGard Continuous Dust Monitor**

SiteGard advanced particulate sensors lie at the very heart of the MonoGard multi-point particulate monitoring system; one MonoGard unit can control up to four SiteGard sensors. The MonoGard unit has a 32-character display and a keypad that allows the operator to programme each SiteGard sensors' alarm and remote data mode.

The system allows operation in two modes; in 'indicative' mode output is proportional to an unqualified concentration of dust in the stack, with variations in dust concentration expressed as percentages. In 'quantitative' mode the SiteGard sensor is calibrated with an isokinetic test and the output is dust density in mg/m3.

The MonoGard signal processor is capable of transmitting data over long distances to a data logging device. MonoGard has a single on-board current output and others may be added via a Gard output unit. Alternatively, there is an on-board 14,000-space data logger that can be configured to store from 1 to 4 channels at user-specified time periods. This data can be downloaded periodically to a PC equipped with DataGard Compact software.

- orobust, reliable & suitable for all particulates
- easy installation, low maintenance
- well-proven technology, accurate sensing method
- adaptable; suitable for virtually all dust collectors
- wide range of duct sizes from 250mm to 2m
- expandable to up to four SiteGard sensors
- calibratable to kg/hr (lb/hr)/ mg/m3 (gr/DSCF)
- low cabling cost with all sensors on a single data bus
- periodic data downloading via DataGard Compact PC software



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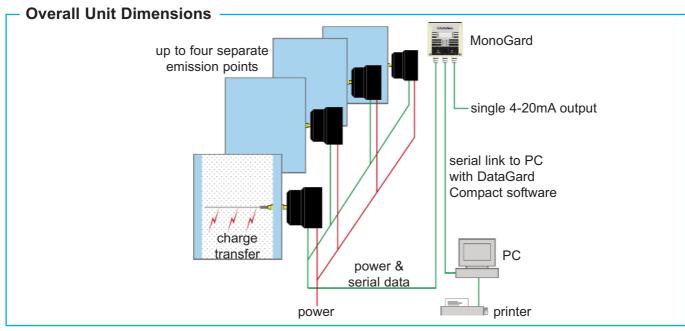
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# **Specification**

Temperature

**SiteGard** MonoGard

: -20°C to +75°C Ambient Display : 32-character back-lit LCD

Keypad : 4-key membrane

: 0°C to 200°C Flue Gas

Number of : up to 4 Temperature Sensors

: alarm & relative dust level LED Displays Current Output : 4-20mA opto-isolated

Gain : 0.5 to 7000 : alarm relay 2.5A @ 24V Alarm Output

Alarm Level : programmable by user Data Storage : 14,000 spaces available, 1 to 60

minute averages Power : 85/265V AC

Requirement

: -20°C to +70°C Ambient Temperature Mains : 3-way plug and socket

Connector Comms. Loop : 10km (6miles) max.

**Probe Material** : 316 stainless steel

: 250, 500, 750 & 1000mm **Probe Lengths Enclosures** : aluminium casting, weatherproof

General

**EMC** 

Compliances

Low Voltage

to IP67 (NEMA 4) Outputs : serial link, 1200 baud

Operating Range: 0.07 to 1000mg/m3

: 0.1 to 300µm

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Particle Size

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: 89/336/EEC directive compliant

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