

# StakGard Continuous Dust Monitor

## StakGard Continuous Dust Monitor

The Stakgard continuous dust monitor uses the well-proven tribo-electric effect to directly measure mass particulate concentration by sensing the frictional charge created when particles collide with a conductor. The advanced electronics of the StakGard detect this signal and present it to the operator via a unique modulating LED display.

StakGard incorporates an adjustable damping system that increases the response time of the alarm and analogue circuits and so prevents false alarms.

The StakGard indicative particulate monitor is designed specifically to meet the needs of operators that require robust, reliable and accurate indicative monitoring to standards acceptable both nationally and internationally.

- robust, 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
- damping system to prevent false alarms
- direct sensing method; actual particulate concentration

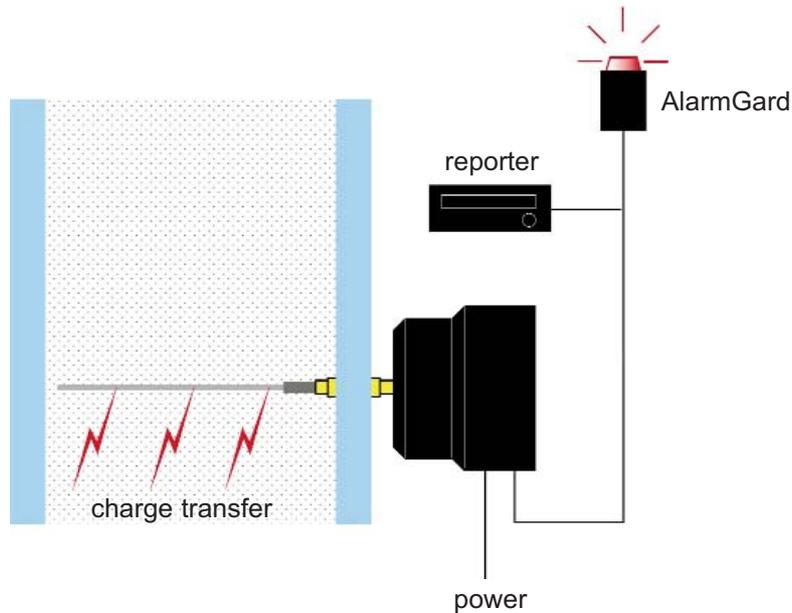


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## Overall Unit Dimensions



## Specification

### StakGard

Ambient Temperature : -20°C to +70°C

Flue Gas Temperature : 0°C to 200°C

Operating Range : 0.1 to 2500mg/m<sup>3</sup>

Duct Diameter : 250mm to 2m

Stack Connection : welded boss, 1" BSP thread

Output Connector : 6-way plug and socket

Analogue Output : 4-20mA isolated (linear)

Alarm Output : single pole changeover, 10A/240V

Alarm Level : 10-way rotary switch (0-90%)

Alarm Logic : 0-5V

Damping : 6-way rotary switch (5/20/40/80/120/sec)

Power Requirement : 85/265V AC

Mains Connector : 3-way plug and socket

Probe Material : 316 stainless steel

Probe Lengths : 250, 500, 750 & 1000mm

Options : remote digital display unit with alarm LED

: AlarmGard remote annunciator with klaxon and xenon lamp

### General

Enclosures : aluminium casting, weatherproof to IP67 (NEMA 4)

### Compliances

EMC : 89/336/EEC directive compliant

Low Voltage : 73/23/EEC directive compliant

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### Distributor :

