

StakGard Continuous Dust Monitor

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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

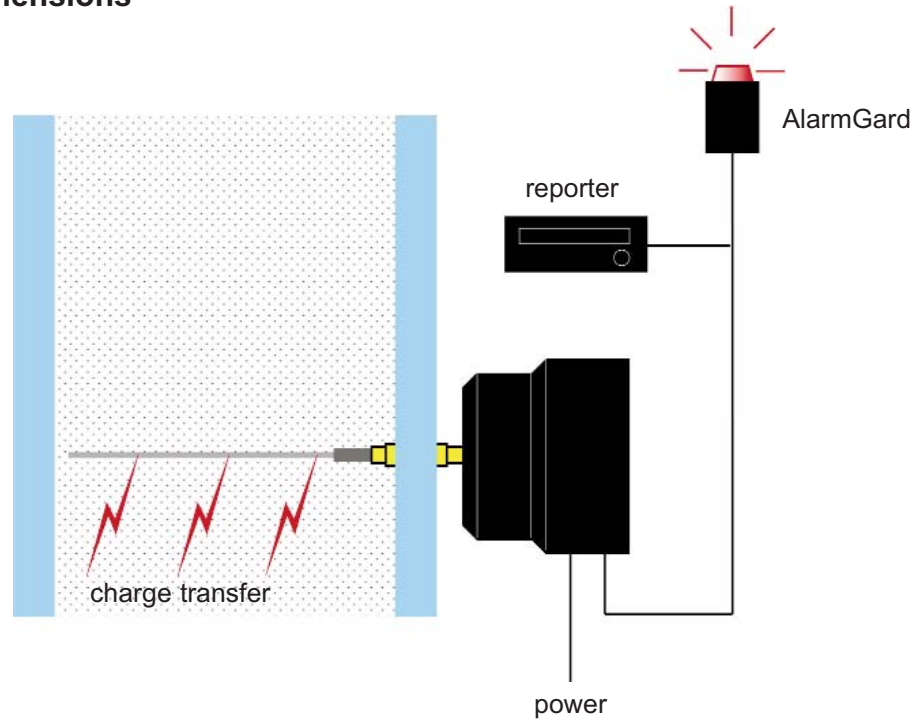


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Overall Unit Dimensions



Specification

Enclosure	: aluminium casting, weatherproof to IP67 (NEMA 4)	Alarm Level	: 10-way rotary switch (0-90%)
Ambient Temperature	: -20°C to +70°C	Alarm Logic	: 0-5V
Flue Gas Temperature	: 0°C to 200°C	Damping	: 6-way rotary switch (5/20/40/80/120/sec)
Operating Range	: 0.1 to 2500mg/m ³	Power Requirement	: 85/265V AC
Duct Diameter	: 250mm to 2m	Mains Connector	: 3-way plug and socket
Stack Connection	: welded boss, 1" BSP thread	Probe Material	: 316 stainless steel
Output Connector	: 6-way plug and socket	EMC	: 89/336/EEC directive compliant
Analogue Output	: 4-20mA isolated (linear)	Low Voltage	: 73/23/EEC directive compliant
Alarm Output	: single pole changeover, 10A/240V	Options	: remote digital display unit with alarm LED : AlarmGard remote annunciator with klaxon and xenon lamp

SmartCem

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