

RECEIVER CONTROLLER

A REAL TIME CONTINUOUS INDICATIVE DUST MONITOR WITH DATA LOGGING AND ALARM CAPABILITY



SPM 2008

RECEIVER CONTROLLER

The dust guard operate on the principle of Tribo-electric charge transfer. The electrical charge carried by dust particles is captured by a highly sensitive Tribo-electric probe, amplified and then transmitted to the control unit. As the current generated by the charge is proportional to the concentration of particles present, an indicative signal of dust presence results.

Dust guard is most suitable for use in low humidity gas streams with reasonably constant flows.

The control unit is mains powered & incorporates alphanumeric display with adjustable alarm levels.

- Dust levels at which the red LED light, alarm is triggered
- The emissions level at which the audible and visual alarm is triggered

SPECIAL FEATURES

- Quick & easy single point installation with no moving parts
- Low capital & maintenance costs
- High sensitivity
- Can be calibrated to show emission levels in mg/m^3
- Adjustable range from 1 - 1,000 mg/m^3
- Minimum detection limit less than 1 mg/m^3

APPLICATIONS

The dust guard is used in most situations where the actual or potential presence of particulates creates an indicative monitoring requirement & also where higher cost of a quantitative monitor is not justified.

- Filter failure alarms
- Process control monitor
- Cogeneration power plants
- Ferrous & non ferrous metal processing unit
- Cement plants & silos
- Petrochemical, pharma
- Boilers & incinerators paper plants etc.

SPECIFICATIONS

Type	: Field / wall mounting
Detectable gases	: All from transmitter
Electronics / processor	: Micro - controller
Power supply	: 24 V DC for transmitter or 220 V AC / 50 Hz
Display	: Graphic LCD
Alarm	: Integral
Output	: 4 - 20 mA standard, potential free contacts
Digital output	: RS - 232, RS - 485 / MODBUS
Resolution	: 1 mg/m ³
Response time	: Instantaneous
Operating temperature	: 0 - 55 °C
Input	: 4 - 20 mA from transmitter
Housing	: Plastic (IP 65)
Optional accessories	: Hooter, flasher

ORDERING INFORMATION

Model	: SPM - 2008
Output	: 4 - 20 mA 4- 20 mA + Relay 4 - 20 mA + Relay + RS 232 / RS 485

Note : Images shown are indicative only. Specifications and Features will vary with application. There may be changes overtime due to continuous development process.
@ 2018



ENDEE ENGINEERS PVT. LTD.

Office & Works : D/122, Ansa Industrial Estate, Saki-Vihar Road, Saki-Naka, Andheri (E),
Mumbai - 400 072, Maharashtra, India. | Tel.: +91-22-4295 2180 / 81
Email : sales@endee-engineers.com
Website : www.endee-engineers.com