

OSC 92UM200 Light Scattering Real Time Dust Density Monitor System

<Applications>

- FDG of coal/oil electric power plant
- Iron works
- Waste garbage incinerator
- Cement plant etc.

<Compliance and CSR>

Reducing the dust from a plant/factory, which may cause environmental pollutions and health issues, is global demand. This monitor system helps to run a plant/factory more cleanly and efficiently and to establish corporate compliance and CSR.



<Features>

- For the harsh industrial environment such as high temperature (820deg.), high pressure (246kPa) high humid, and highly electrically charged flue gas
- Possible to measure dust density up to 1 mg/Nm³
- Designed both for standalone and integrated in DCS
- Microprocessor analyzes the data from the detector and dispatches alarm signals to the DCS to control the whole factory or to the dust control system
- Reliable monitoring in the harsh conditions with light scattering method
- Simple and easy installation
- Simple and easy maintenance



purge air system box

Main Control Box

Detector

<Specifications>

MODEL	OSC 92UM200
CONTROL BOX	
Structure	Wall mount outdoor installation type
Principle	90 degree back ward light scattering method
Light source	Halogen light
Measurement range	0 - 500mg/Nm ³ relative density output (range is variable)
External output	DC4 - 20mA Isolated output RS-232C
Display	Digital panel meter of 0 - 100%
Power Supply	AC100V+/-10% (50/60Hz), 4A from purge air system box
Operating temperature	-10 - +50 deg.
DETECTOR	
Dimension	260 x 125mm
Weight	approx. 5kg
Material	Stainless steel (SUS304)
Attachment	200 x 65mm rectangle hole is opened and attached to the dust
Connection of purge air	Female screw of PT1/4 (cheese union)
PURGE AIR SYSTEM BOX	
Air flow	Approx. 100L/min
Power Supply	AC220V +/-10% (50/60Hz), Capacity 1KVA
Operating temperature	-10 - +50 deg.