



# Electrodynamic Dust Emission Monitoring System -KANSAI Automation Co., Ltd.-

Detect the dust concentration with no influence by buildup on the probe



VIEW370



Leak Alert65-02

## Features

- Not influenced by buildup or contamination on the probe
- Probes with TEFLON coating, special air purging and heatsink (max. 800°C) are available.
- Maximum 16 pcs sensor can be connected to just one controller (VIEW370PLUS)

## Overview (principle, operation, etc.)

### 【Measuring principles】

Measures the charge transfer between the probe and particles inside the duct and provides the current output proportional to the emission. Though the probe is inserted into the duct, it detects the dust concentration with Non-contact technology. Very unique and only product in Japan.

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## Performance /specifications of technology / product

### 【Controller】

Application	Specification
Power Source	90VAC~260VAC 1A(50/60Hz)
Output	DC4~20mA(isolated, max. 500Ω)
Resolution	<0.01mg
Self-diagnosis	COMM, Probe, ZERO, SPAN
Memory capacity	Short period 7days @1min. Pluse 2hours @1sec. Alarm 500 pcs
Temperature	-10°C~+55°C

### 【Sensor】

Application	Specification
Temperature	Ambient -25°C~+55°C Inside the duct -25°C~+250°C (Standard) -25°C~+400°C (Middle High) -25°C~+800°C (High)
Probe Length	Maximum.1500mm (Over 1500mm can be consulted)
Probe Material	316SS/TEFLON (Option:Teflon coating)
Connection	Screw >R1·1/2 (Flange connection can be available)

## Usage examples / result

### 【Application of bag filter】

As to commonly-used bag filter, the dust concentration rises at the moment of bag cleaning.

If something is wrong with it, the dust concentration rises sharply like a pulse

Installing dust monitoring system after the bag filter and monitoring the dust concentration will ;

### Predict initial failure

With checking the sharp pulses of the emission, you can avoid the bag broken in advance, replacing the suspicious ones during the maintenance period.

### Reduce running cost

Like as the trend in right picture indicates, you can specify a damaged filter bag and replace just the damaged one to reduce the cost.

