DUST ALERT

Detects Particulate Levels and Alerts to Elevated Dust

BinMaster brings a sense of simplicity to customers seeking basic operation and single-point particulate monitoring. The DD-3000 with integrated electronics and sensing probe alerts when dust emissions exceed a preset point. Designed to save time, reduce maintenance, and prevent emissions and downtime, the DD-3000 is ideal for baghouse leak detection for installation in stacks, ducts, or pipes.
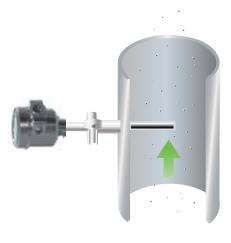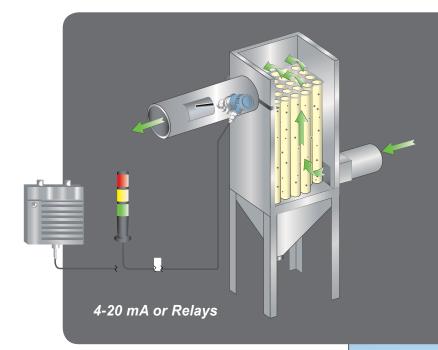
NPT Model

Accurate Induction Technology

As particles flow past and over a sensing probe, they induce a charge into the probe that creates small electrical currents in the picoamp (pA) range. The signal is processed by the sensor's integrated electronics converting it into an output proportional to mass. Charge induction is highly reliable and minimizes the influence of sensor contamination and particulate velocity change.

4-20 mA or Relays

Alarm Relay or Transmitter Model Options

Both are the same basic particulate monitor with integrated electronics. Models differ by output.

DD-3000-A features alarm relay outputs.
  – A for alarm.
DD-3000-T features a 4-20 mA transmitter.
  – T for Transmitter.

Proactive Dust Alarms Pay Off

Improve productivity
Employees are automatically alerted, saving time on manual inspections.

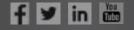## *Enhance process control*
Turn off a process immediately when dust levels exceed standards.

Preventive maintenance
Early warning of leak detection prevents unscheduled shut downs.

Just Four Simple Steps

1 Install
Using a .5-inch mounting coupling or 1.5-inch quick clamp.

2 Mount
Insert to approximately one-half of the duct or pipe diameter for filter outlet. One-inch minimum from opposite side for smaller pipes.

3 Set
A single alert point using push-button controls inside the lid of the integrated unit.

4 Alert
Using an alarm relay or 4-20 mA output to the light, horn, alarm, or control room of your choice.

POOF!
Ready to alert!

Quick-clamp Model

Affordable Value and Fast ROI

Reliable: Fully-insulated probes protect against false alarms caused by moisture, buildup, or conductive particles – minus costly air purge.

Sensible: Induction sensing for baghouses and dust collectors is typically maintenance-free with superior performance over technologies sensitive to buildup.

Simple: Integrated single-piece design is fast and easy to install and configure with no special alignment or structural support.

Value: Get a fast return-on-investment with quality leak detection in a reliable device that can justify monitoring all sizes and types of dust collectors.

Applications Galore to Explore

Cement

Replace manual inspections with an alert system using the DD-3000 in individual baghouse compartments or in small dust collectors.

Mining

Foundries, steel, and aluminum plants can apply the DD-3000 on each compartment of the baghouse to maintain filters in optimal condition and replace them as needed before emissions increase.

Asphalt

Prevent false alarms with a DD-3000 in these hardworking baghouses prone to moisture and sticky particulates.

Chemicals

Control preventive inspections, repairs, and maintenance costs by reducing emergency and downtime hours with early detection.

Food

Minimize dust emissions caused by baghouse leaks that may require costly shutdowns or result in product loss.
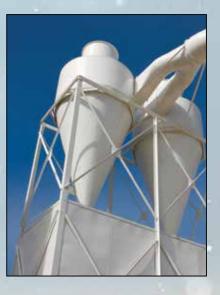
Wood

Sawmills or pellet producers use the DD-3000 to alert to baghouse leaks in a timely manner to optimally replace filters with minimal downtime.

If you're working with these, look to DD-3000!

Aluminum	Minerals
Batteries	Mining
Castings	Plastics
Coal	Power
Concrete	Smelters
Food	Tobacco
Foundries	Toner
Incinerators	Welding
Lumber	Woodworking
Metals	Wood Pellets