

PRODUCTS

Advanced Triboelectric Particulate Monitoring Systems for Emissions and Dry Bulk Solids Processing Applications



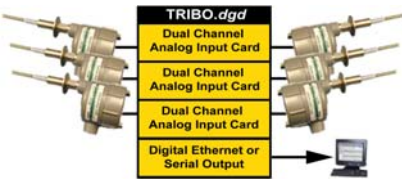
AUBURN.vision™ Parametric Manager

While emission monitoring instruments can collect useful, but isolated, data, existing factory automation software products are focused on process control and production, and are not designed for emission monitoring and reporting. We have developed emissions monitoring information systems to meet these needs. The AUBURN.vision Parametric Manager organizes information and provides compliance reports for a large number of parametric measuring devices: emissions control systems; differential pressure; bin level; temperature; fan amps; and various maintenance and ancillary manufacturing activities-while eliminating costly programming.



TRIBO.dgd™ Continuous Emissions Monitor (Model 9000)

TRIBO.dgd is the first all-digital, dual channel, OPC compatible, dust collector monitoring system for real-time bag leak/broken bag detection. It features a real time display, wide dynamic range and a digital signal processor (DSP) operating system, eliminating the need to manually set monitoring ranges. It provides bag leak/broken bag detection and location while simultaneously monitoring selected parameters (i.e. velocity, differential pressure, motor amps). TRIBO.dgd functions as a stand-alone system or can be connected to a PC or Ethernet network providing advanced capabilities for more comprehensive dust collector maintenance and monitoring.



Datahub Systems

For non-PLC applications, this configuration is powered by the TRIBO.dgd serving as a data-hub. By using several datahubs, a large monitoring network can be created while minimizing wiring/installation costs. Dedicated software provides recording and alarm or event monitoring functions for communication via Serial or Ethernet connection.



TRIBO.d²™ (Model 3400)

Two-wire (loop powered), 4-20mA output, emissions monitor

The TRIBO.d² is a two wire, loop powered, emissions monitor for high or low temperature applications, designed to detect and locate impending filter malfunctions for industrial dust collectors, large and small. These industrial hardened monitors function by processing and analyzing minute electrical currents generated when particles impact or pass nearby strategically located sensors within a wide variety of fabric filter and car-



**TRIBO.guard™ II (Model 4002)
Bag Leak/Broken Bag Detector and Dust Monitor**

The TRIBO.guard 4002 Dust Monitor detects filter failures and monitors exhaust ducts. The TRIBO.guard 4002 has a 0-100% bar graph display and a continuous 4-20mA analog output, which can be wired to a recording device or PLC, etc. It is simple to use and can be combined with the TRIBO.prevent Dual Alarm System or TRIBO.trac Leak Locator System to provide more monitoring capability. Available in both Remote Sensor (NEMA 4/7/9) or Integral Sensor (NEMA 4) enclosures with window front. CE Approved.



**TRIBO.guard™ I (Model 4001)
Bag Leak/Broken Bag Detector**

The TRIBO.guard 4001 Broken Bag Detector monitors exhaust ducts to detect filter failures and includes a dry relay contact output. The LED indicators, customer alarm level and time delay controls make the TRIBO.guard 4001 a simple yet reliable broken bag detector. Available in both Remote Sensor (NEMA 4/7/9) or Integral Sensor (NEMA 4) enclosures. Optional window front enclosure is also available. CE Approved.



TRIBO.trac™ Leak Locator System

The TRIBO.trac Leak Locator System pinpoints the compartment or row where a filter failure has occurred when used with any Auburn 4-20mA analog output particulate emissions monitor. TRIBO.trac provides both early warning and high level alarms via two independent relay contacts. TRIBO.trac is an optional feature in the TRIBO.dgd Monitoring System.



TRIBO.prevent™ Dual Alarm System

TRIBO.prevent Dual Alarm System provides remote early warning and high level warning alarms by comparing set points with 4-20mA analog output of emissions levels from any Auburn triboelectric monitor.

Dust Emissions Monitoring

Bag Leak Detection	Fabric Filter Baghouses
Bin Vent/Nuisance Collectors	Indoor Fugitive Dust
Cartridge Collectors	Isolate Bag Leak Location
Cyclone Overflow	MACT Reporting
Dust Collector Maintenance	Positive Pressure Baghouses
EPA Compliance	Title V/CAM Compliance

Process Applications

Air Slide Flow Monitoring	Lime and Powder Injection
Catalyst Feed Injection	Particle Flow Velocity
Cyclone Flow and Overflow	Pneumatic Conveying
Flow/No Flow Detection	Screw Conveyor Flow
Fly Ash Handling Systems	Spray Drier/Fluid Bed Driers
Gravity Feed Monitoring	Vacuum Systems