


Invent Apply Support

TRIBO.dsp U3000 Series

Auburn's proprietary core technology, *TRIBO.dsp*, unifies DC impaction (triboelectric) and AC induction electrostatic signals for superior accuracy, reliability, and repeatability. Unlike AC induction-only monitors, which use only a portion of the triboelectric signal, *TRIBO.dsp unified* electrostatic particulate monitors provide a stable and reliable signal, wide range, with robust electrical interference resistance even in harsh industrial environments.



TRIBO.dsp U3400 is the industry's first two-wire, loop powered, wide dynamic range particulate monitor for both high and low temperature applications. The U3400 is simple to install and requires no operator sensitivity adjustment. It is the most reliable, sensitive, easy to use particulate *emissions* and *flow* monitoring system available today.

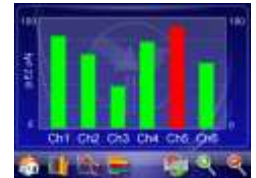
The U3400 is wired directly to PLC's, data loggers, or any control device capable of providing the 24V loop power while simultaneously receiving the continuous 4-20 mA signal, such as *TRIBO.prevent*, a dual-level alarm panel with local display of the signal. For a comprehensive bag leak detection system, the U3400 signals can be managed by *AUBURN.vision* software. CSA Approved. 



TRIBO.dsp U3600 is an advanced, self checking, particulate monitor ideal for dust collector compliance and maintenance applications. In addition, the advanced, *unified* DC/AC design along with flexible scaling and alarm features allow the U3600 to be used for process particulate flow applications. The U3600 provides a 4-20mA output and two independent SPDT relay contacts. The easy-to-read, four color screen for real-time emission levels and alarm status is continuously on display. An optional digital output is available (Ethernet/IP, Modbus TCP).



TRIBO.dsp U3800 is a multichannel particulate monitor using Auburn's proprietary *TRIBO.dsp, unified* DC/AC core technology for emissions or flow applications. Each unit is capable of connecting up to six remote probes. The U3800 has an intuitive industrial grade touch screen, displaying user selectable views such as: line chart; numerical; or bar chart views.



The U3800 can be used as a complete stand alone system or integrated into existing plant data management systems using the digital communication protocol (Modbus TCP, Ethernet/IP). For a comprehensive bag leak detection system, multiple U3800 units can be managed by *AUBURN.vision* software.

Additional Services and Products

AUBURN.vision™ Software

Bag Leak Detection System Software and more...

While all emission monitoring instruments collect useful, but isolated data, existing factory automation software products are focused on process control and production and are not particularly designed for user friendly emission monitoring and reporting functions.

AUBURN.vision 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. It can be used as a complete stand alone system or as an excellent complement to existing data management software.





TRIBO.*prevent*™, Model 4000, Dual Alarm System

TRIBO.*prevent* Dual Alarm System provides two independent relays for setting early warning and high level alarms. The unit displays the 4-20 mA input signal on a 10-segment LED bar graph and is designed to accept both loop powered or self powered 4-20 mA input signals.



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 an SPDT relay 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.*guard*™ II, Model 4002, 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 cover standard. **CE** Approved.

Typical Applications

Dust Emissions Monitoring

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

Process Applications

Air Slide Flow Monitoring	Lime & Powder Injection
Catalyst Feed Injection	Activated Carbon Injection
Cyclone Flow and Overflow	Pneumatic Conveying
Flow/No Flow Detection	Screw Conveyor Flow
Fly Ash Handling Systems	Particle Flow Velocity
Gravity Feed Monitoring	Vacuum Systems

Industries Served

Agriculture	Battery	Food	Hazardous	Nutraceutical	Steel
Aluminum	Carbon Black	Foundry	Incineration	Paper	Tires/Rubber
Asphalt	Cement	Furniture	Metals	Pharmaceutical	Tobacco
Automotive	Chemical	Glass	Mineral	Power	Wood

We are confident we can satisfy your monitoring application or technical support needs. For additional information or to request a quote, please contact us or visit www.auburnsys.com.

Manufacturer's Rep: