

# TRIBO.dgd™

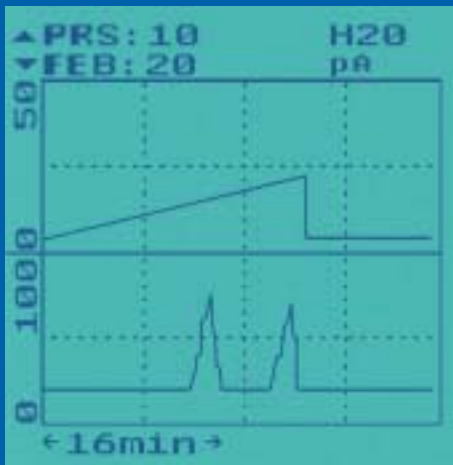
## The First All-Digital Bag Leak Detection System

- Multiple Parameter
- Wide Dynamic Range
- Highest Sensitivity
- Dual Channel Capability

TRIBO.dgd is the first all-digital, dual channel, dust collector monitoring system for real-time bag leak detection. This newest innovation from Auburn has the capability of detecting and locating the onset of bag leakage, while simultaneously receiving other selected parameters such as, velocity, differential pressure, motor amps, PLC data and others.

When used with a PC and AUBURN.dgd software, this detector expands to a full blown dust collector maintenance system. In the emissions mode TRIBO.dgd monitors DC triboelectric signals resulting from exhaust stream particulate impaction and subsequent electrical charge transfer, measured in pico amps.

Auburn proprietary DC triboelectric detectors require no potentially hazardous probe coatings, which can accumulate dischargeable electrical energy. The absence of the insulated layer also eliminates sensor failure caused by erosion. Only TRIBO.dgd has the power, versatility and safe operation to handle all of your monitoring requirements.



TRIBO.dgd screen showing dual channel reading

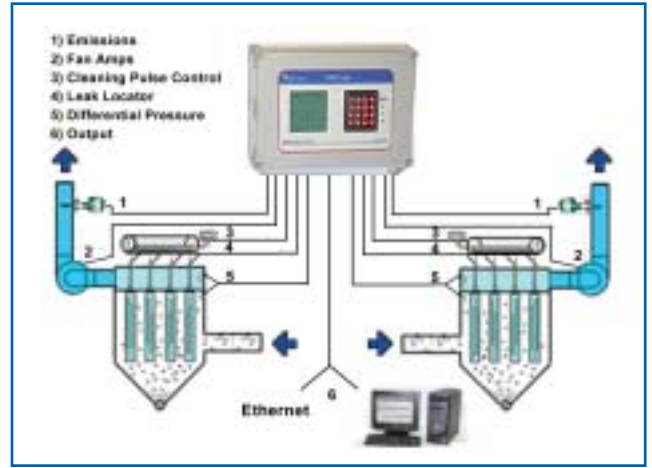
### TRIBO.series™ Products and Services

TRIBO.series dust detectors incorporate triboelectric technology, developed exclusively by Auburn, now updated and improved to address more challenging dust collector maintenance and performance requirements appearing in, virtually, every materials manufacturing industry.

Call for more information or go to [www.auburnsys.com](http://www.auburnsys.com)

*Today's standard for bag leak detection...*

*... from simple physics to useful technology*



## SYSTEM FEATURES

**DUAL CHANNEL CAPABILITY** allows the unit to simultaneously monitor two emission points or to be used in velocity mode to monitor the emissions and velocity of one collector.

**MULTIPLE INPUT/OUTPUT OPTIONS** can be customer selected from four expansion slots allowing the user to customize the capabilities of the TRIBO.dgd to meet their monitoring needs. Options include 4-20mA output, multi-level relay contacts, serial communication, ethernet and 4-20mA inputs.

**AUBURN.dgd SOFTWARE** transforms the versatile monitor into a complete bag leak detection system, when connecting to a PC it provides realtime data history, storage, trending, remote device control, and data log retrieval for reporting. An OPC Data Access Server is available.

## SYSTEM SPECIFICATIONS

TRIBO.dgd Model # - 9000

**ELECTRONICS**

- Power**  
 1. 85 to 264 VAC  
 2. Other

**CHANNELS**

1. One Channel  
 2. Two Channels

**SLOT 1**

1. Relay Output  
 2. 4-20mA output  
 3. Serial Communication  
 4. Ethernet Communication  
 5. 4-20mA Input  
 X. Empty

**SLOT 2**

(same choices as SLOT 1)

**SLOT 3**

(same choices as SLOT 1)

**SLOT 4**

(same choices as SLOT 1)

**EXTRAS**

- Manuals (one included) \_\_\_\_\_ @\$ \_\_\_\_\_ each  
 Stainless Steel Tags \_\_\_\_\_ @\$ \_\_\_\_\_ each  
 Set of Prints \_\_\_\_\_ @\$ \_\_\_\_\_ each  
 Spare Parts Kit \_\_\_\_\_ @\$ \_\_\_\_\_ each

Remote Sensor Model # - 2000

**S1 PROBE MATERIAL**

1. 316 Stainless Steel  
 2. Tungsten Carbide  
 9. Special

**S2 INSULATION**

1. Teflon (TFE):  
 -40° to 300°F (-40° to 150°C); up to 30 psi  
 2. Ceramic (High Temperature or Pressure):  
 -40° to 1000°F (-40° to 540°C); up to 2000 psi  
 3. Teflon (TFE) with Air Purge:  
 -40° to 300°F (-40° to 150°C); up to 30 psi  
 4. Ceramic with Air Purge  
 5. Extended High Performance (PFA):  
 -40° to 475°F (-40° to 240°C); up to 30 psi  
 6. Extended High Performance (PFA) with Air Purge  
 9. Special

**S3 PROBE INSERTION LENGTH**

- |                 |                 |
|-----------------|-----------------|
| 1. ½" (1.3cm)   | 5. 18" (45.7cm) |
| 2. 3" (7.6cm)   | 6. 30" (76.2cm) |
| 3. 6" (15.2cm)  | 7. 36" (91.4cm) |
| 4. 12" (30.5cm) | 9. Special      |

**S4 SENSOR MOUNTING**

- |                  |                            |
|------------------|----------------------------|
| Q. Quick Release | V. Venturi (Fugitive Dust) |
| N. 1/2" Male NPT | S. Special                 |

Cable Length(feet)\* \_\_\_\_\_ feet @ \$ \_\_\_\_\_ /foot

**Cable Terminals\***

- Factory Installed \_\_\_\_\_ @ \$ \_\_\_\_\_ /set  
 or Field Kit \_\_\_\_\_ @ \$ \_\_\_\_\_ /set