

## Model 4002

To expedite a quotation, please print and complete the following **blue** areas and fax it to us at **978-777-8820**.

Model #: **4002**



### ELECTRONICS

#### E1 Power

- 105 to 130 VAC, 50/60 Hz
- 210 to 260 VAC, 50/60 Hz
- 10 to 32 VDC

#### E2 Output

- 4-20 mA, 0-100% bar graph
- Add - Pre-Vent Dual Alarm System
- Add - Tribotrac Leak Locator System

### SENSOR

#### Base - System Style

- Integral Sensor
- Remote Sensor (Cable Required)

#### S1 Probe Material

- 316 Stainless Steel
- Tungsten Carbide
- Special

#### S2 Insulation

- Teflon (TFE):  
-40° to 300°F (-40° to 150°C); up to 30 psi
- Ceramic (High Temperature or Pressure):  
-40° to 1000°F (-40° to 540°C); up to 2000 psi
- Teflon with Air Purge:  
-40° to 300°F (-40° to 150°C); up to 30 psi
- Ceramic with Air Purge
- Extended High Performance (PFA):- Standard  
-40° to 450°F (-40° to 235°C); up to 30 psi
- Extended High Performance with Air Purge
- Special

#### S3 Probe Insertion Length

- |                 |                 |
|-----------------|-----------------|
| 1. 1/2" (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                  |
- \* Remote Only

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

#### Cable Terminals\*

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

\*Cable and connectors are for Remote Style Only.

### Extras

- |                        |                      |                 |
|------------------------|----------------------|-----------------|
| Manuals (one included) | <input type="text"/> | @ \$ _____ each |
| Stainless Steel Tags   | <input type="text"/> | @ \$ _____ each |
| Set of Prints          | <input type="text"/> | @ \$ _____ each |
| Spare Parts Kit        | <input type="text"/> | @ \$ _____ each |
| Field Test Unit        | <input type="text"/> | @ \$ _____ each |

Electronics Base

E1 Power

E2 Output

Sensor Base

S1 Probe Materials

S2 Insulation

S3 Length

S4 Mounting

Cable

Connectors

Extras

\$ \_\_\_\_\_

### QUOTE FOR:

Name

Title

Company

Address

City  State  Zip

Telephone

Fax

### PROCESS CONDITIONS

Temperature  °F (°C)

Duct ID  inches (cm)

Solid

Pressure  psig (bar)

Velocity  f/s (m/s)

Gas

Comment

### APPLICATION

Fabric Filter  Environmental

Cyclone  Maintenance

Other  Process/Lost

### CONCERN

### QUOTE INFORMATION (FOR INTERNAL USE):

Quotation Number \_\_\_\_\_ PO Number \_\_\_\_\_

Unit Price \$ \_\_\_\_\_ Number of Units \_\_\_\_\_ Total \_\_\_\_\_

Delivery \_\_\_\_\_ days ARO

Price quote valid 30 days; Terms: Net 30, FOB Danvers, MA.

Signature \_\_\_\_\_ Date \_\_\_\_\_

### ELECTRONICS

**Enclosure** Integral NEMA 4; Remote NEMA 4/7/9; CE Approved. female 3/4" NPT conduit connections; Integral-2, Remote-3. 5 Watts maximum load.

**Power:** -20° to 145°F (-30° to 65°C).

**Operating Temperature** Designed Class I, II, III; Division 1, 2; Group B, C, D, E, F, G. CE Approved.

**Hazardous Rating** 0.1 to 22 seconds.

**Response Time** 100 to 1 range; 0.0044 gr/dscf (10 mg/m<sup>3</sup>) typical minimum concentration detectable.

**Sensitivity** 4-20mA, 10 segment LED bar graph

**Outputs**

### PRE-VENT DUAL ALARM SYSTEM (optional)

**Enclosure** NEMA 4X with window

**Power** 105 to 130 VAC, or 210 to 260 VAC

**Outputs** (2) Relay contacts SPDT 5 amp @ 28 VDC or 250 VAC 100VA (4) LED indicators, 0-100% bar graph

**Adjustments** Signal smoothing (0 to 25 sec.); (2) alarm set points (0 to 100%); (2) alarm time delays (0 sec. to 10 min.)

### TRIBOTRAC LEAK LOCATOR SYSTEM (optional)

**Enclosure** NEMA 4X with window

**Power** 105 to 130 VAC, or 210 to 260 VAC

**Outputs** Tracks up to 16 cleaning zones (2) Relay contacts SPDT 5 amp @ 28 VDC or 250 VAC 100VA (4) LED indicators, 0-100% bar graph

**Adjustments** Signal smoothing (0 to 25 sec.); (2) alarm set points (0 to 100%); (2) alarm time delays (0 sec. to 10 min.)

### SENSOR

**Remote Sensor Enclosure** NEMA 4X

**Wetted Metal Parts** Probe - 316 Stainless Steel. All others - 303 Stainless Steel minimum grade.

**Insulation** Extended high performance to prevent conductive bridging. Consult factory or your local representative for correct sensor. Specify to reach approximately midpoint of duct or farther.

**Probe Length** Large ducts require remote connection and multiple remote sensors with daisy chain connection.

**Installation** Weld the fitting into the pipe or duct, and insert sensor.

**Other** Triboelectric Cable (for remote style only): Temperature range: -60° to 400°F (-50° to 200°C); Maximum distance: 300ft (100m).

