

Please consult factory or your local representative for proper recommendations. To expedite a quotation, please complete the following worksheet and fax it to us at **978-777-8820** or email to **sales@auburnsys.com**.

Model #: U3400 - - - - - - - -

ELECTRONICS

E1 Power _____
1. 12 to 32 VDC (at the unit)

E2 Output _____
1. Isolated 4-20 mA

SENSOR

Base - System Style
I. Integral Sensor
R. Remote Sensor (Cable Required)

S1 Probe Material _____
1. 316 Stainless Steel 4. Hastelloy
2. Carbide 9. Special
3. Inconel

S2 Insulator Material _____
1. Teflon (TFE):
-40° - 300° F (-40° - 150° C); up to 30 psi
2. Ceramic (High Temperature or Pressure):
-40° - 1000° F (-40° - 540° C); up to 2000 psi
3. Teflon (TFE) with Air Purge:
-40° - 300° F (-40° - 150° C); up to 30 psi
4. Ceramic with Air Purge
5. Extended High Performance (PFA): **Standard**
-40° - 450° F (-40° - 232° 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

* Probe length should reach approximately mid-duct; for large ducts (>72"). Contact Auburn for additional options.

S4 Sensor Mounting _____
F. Flanged S. Special
N. 1/2" Male NPT T. Threaded Quick Release
Q. Quick Release V. Ambient Fugitive Dust

Cable Length (feet) _____ @ \$ _____/foot _____
Cable

Cable Terminals _____
Factory Installed _____ @ \$ _____/set _____
or Field Kit _____ @ \$ _____/set _____
Connectors

Extras _____
Manuals (one included) _____ @ \$ _____ each _____
Stainless Steel Tags _____ @ \$ _____ each _____
Set of Prints _____ @ \$ _____ each _____
Spare Parts Kit _____ @ \$ _____ each _____
Field Test Unit _____ @ \$ _____ each _____
Extras

\$ _____
Total

REQUEST FOR QUOTE:

Name _____
Title _____
Company _____
Address _____
City _____ State _____ Zip _____
Telephone (_____) _____ Fax (_____) _____
Email _____

APPLICATION

- Fabric Filter
- Cyclone
- Other

CONCERN

- Environmental
- Maintenance
- Process/Prod. Loss

PROCESS CONDITIONS

Temperature _____ ° F (C°) Particulate _____
Duct ID _____ inches (cm) Gas _____
Pressure _____ psig (bar) Velocity _____ ft./min (m/s)
Comments _____

SPECIFICATIONS:

ELECTRONICS

Electronic Enclosure Cast aluminum, electrostatically applied powder coating, equivalent NEMA 4X

Power 12-32 VDC (Two-wire, loop-powered)

Power Consumption < 1 Watt

Operating Temperature -40° - 185° F (-40° - 85° C)

Humidity Range 0 - 95% relative; non-condensing

Dynamic Range 1 pA - 10,000,000 pA - standard
0.1 pA - 1,000,000 pA - optional

Resolution/Precision (pA) 1 pA standard
0.1 pA optional

Sensitivity Range Concentrations as low as .005mg/m³ have been detected

Output Isolated 4-20mA compatible loop or powered network, with user selectable scaling

Approvals CE Approved.
Optional: CSA Class: 2252 85, 2252 05 , HART

SENSOR SPECIFICATIONS

Remote Sensor Enclosure Cast aluminum, electrostatically applied powder coating, equivalent NEMA 4X

Sensor Probe Probe - 316 stainless steel (standard); other materials available

Wetted Metal Parts All others - 303 stainless steel minimum grade

Insulation Extended High Performance (PFA)- standard, -40° - 450°F (-40° - 232°C)
Ceramic (High Temperature or Pressure) -40° - 1000°F (-40° - 540°C)

Probe Insertion Length Standard probe lengths: ½, 3, 6, 12, 18, 30, 36 inch (1.3, 7.6, 15.2, 30.5, 45.7, 76.2, 91.4 cm) (specify to reach approximately mid-duct or further)

Installation Weld the supplied fitting into the pipe or duct and insert sensor

Remote Sensor Cable Special coaxial cable; temperature range: -60° - 400°F (-50° - 200°C)
Maximum distance: contact factory

Wiring Connections ¾ inch NPT female conduit fitting

Pipe/Duct Connections ½ inch NPT male fitting or 1" quick release ferrule (other options available)

Options Wire-Rope Sensor; In-Line Ring Sensor; Ambient Fugitive Dust Sensor

Quotation Date _____ Number of Units _____
Unit Price \$ _____ Total \$ _____
Est. Delivery _____ week(s) ARO (Quote valid 30 days; FOB Danvers, MA.)

