

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 #: U3800 -

ELECTRONICS _____
Electronics Base

E1 Power _____
E1 Power

1. 85 to 260 VAC (120V or 240V)
2. 18 to 32 VDC (24V)
3. 12 VDC optional

E2 Relay Output _____
E2 Output

X. No Output
1. (2) SPDT Relays

E3 4-20 mA Output _____
E3 Output

X. No Output
1. Isolated 4-20 mA

E4 Digital Communication _____
E4 Output

X. No Output
1. Industrial Ethernet/IP, Modbus TCP

S1 Probe Material _____
S1 Probe Material

1. 316 Stainless Steel 4. Hastelloy
2. Carbide 9. Special
3. Inconel

S2 Insulator Material _____
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): **Standard**
-40° to 450° F (-40° to 232° C); up to 30 psi
6. Extended High Performance (PFA) with Air Purge
9. Special

S3 Probe Insertion Length* _____
S3 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—specify length
* Probe length should reach approximately mid-duct; for large ducts (>72"). Contact Auburn for additional options.

S4 Sensor Mounting _____
S4 Mounting

F. Flanged S. Special
N. 1/2" Male NPT T. Threaded Quick Release
Q. Quick Release V. Venturi (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
Enclosure Polycarbonate NEMA 4X w/ (3) 3/4" conduit fittings (Dimensions: 7.40"x7.40"x4.84")
Power 85 to 260 VAC (12 VDC, 24 VDC, or P.O.E. optional)
Power Required 5 watts maximum load
Operating Temperature -4° - 158° F (-20° - 70° C)
Humidity Range 0 - 95% non-condensing
Dynamic Range 1 pA—10,000,000 pA—Standard
0.1 pA—1,000,000 pA—Optional
Resolution/Precision 1 pA Standard / 0.1 pA Optional
Sensitivity Range Typical detection range .00044gr/dscf (1mg/m³)
Output 1 SPDT relay 5 amp @ 28 VDC or 250 VAC 100VA
Ind. alarm set points, high or low (0 -100%), per channel
Independent alarm time delays (0 - 999 sec.) per channel
Industrial Ethernet/IP and Modbus TCP
Display 3.5" active matrix touch screen display
Other Features User selectable calibration mode; Local back-up data logging; Automatic contamination check; Unlimited scaling options

SENSOR
Remote Sensor Encl/ Wetted Metal Parts NEMA 4X
Probe - 316 Stainless Steel
All others - 303 Stainless Steel minimum grade
Insulation* Extended High Performance (PFA)- standard, -40° - 475°F (-40° - 240°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 fitting into the pipe or duct and insert sensor
Remote Sensor Cable Special coaxial cable : Temperature range: -60° to 400° F (-50° to 200° C) Maximum distance: 200 ft., for longer runs please contact factory
Wiring Connections ¾ inch NPT female conduit fitting
Pipe/Duct Connections ½ inch NPT male fitting or 1" quick release ferrule
Options Wire Rope Sensors; In-Line Ring Sensors; Ambient Fugitive Dust Sensors

*Consult factory or your local representative for proper recommendations

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