

Fox Thermal Instruments, Inc.

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Application Data Sheet**Model FT2A Flow Meters**

10/1/2013

CUSTOMER INFORMATION

Company Name and Address:

Customer P.O. Number:

Tag Number: (20 characters maximum)

Phone:

Contact:

Email Address:

For Fox Office Use:

Model #:**S.O. #:****Serial #:****PROCESS DETAILS****Application Description**

Describe type of application (e.g. boiler feed, flare gas, etc.).

Gas Information

Gas Name:

Mixed Gas Information

Please attach a gas composition analysis.

Indicate if data is % Volume (moles) or % Weight (mass).

Total composition must add up to 100%.

Process Conditions

| Minimum | Nominal | Maximum | Units |
|--------------|---------|---------|-------|
| Flow Rate: | | | |
| Temperature: | | | |
| Pressure: | | | |

Non Resettable Totalizer☐ Configure as Non Resettable Totalizer.**INSTRUMENT DETAILS****Flow meter and Display Orientation - See Code Sheet**

☐ F1 ☐ F2 ☐ F3 ☐ F4
☐ F5 ☐ F6 ☐ F7 ☐ F8
☐ N/A for Remote

Temperature Setup

4 mA Value _____ 20 mA Value _____

Temperature Units: F ☐ or C ☐**Flow Rate 4 to 20 mA Scaling and Display Units Selection****Output Units:**

| | | | |
|--------------------------------|---------------------------------|--------------------------------|-------------------------------|
| <input type="checkbox"/> SCFM | <input type="checkbox"/> NLPS | <input type="checkbox"/> SMPS | <input type="checkbox"/> KG/S |
| <input type="checkbox"/> SCFH | <input type="checkbox"/> NLPM | <input type="checkbox"/> SM3/M | <input type="checkbox"/> KG/M |
| <input type="checkbox"/> SCFD | <input type="checkbox"/> NLPH | <input type="checkbox"/> SM3/H | <input type="checkbox"/> KG/H |
| <input type="checkbox"/> NMPS | <input type="checkbox"/> MSCFD | <input type="checkbox"/> LB/S | <input type="checkbox"/> SLPM |
| <input type="checkbox"/> NM3/M | <input type="checkbox"/> MMSCFD | <input type="checkbox"/> LB/M | <input type="checkbox"/> SFPM |
| <input type="checkbox"/> NM3/H | <input type="checkbox"/> MMSCFM | <input type="checkbox"/> LB/H | <input type="checkbox"/> MT/H |
| <input type="checkbox"/> NM3/D | <input type="checkbox"/> MCFD | <input type="checkbox"/> LB/D | |

4 mA Value: _____ (Normally Zero)

20 mA Value: _____

Standard Temperature and Pressure (STP)

Standard: ☐ 60°F and 14.73 psia (AGA standard for natural gas)
☐ 70°F and 14.73 psia
☐ 0°C and 760mm Hg
☐ N/A for lbs or kg units

Other (indicate units): ☐ _____ and _____**PIPING INFORMATION AND STRAIGHT PIPE REQUIREMENTS**

Pipe size _____ Schedule _____ Pipe ID* _____ Duct Dimensions* _____

* Accurate pipe/duct inside diameter required for Insertion Flow Meter applications to ensure correct flow rate calculation.

Insertion Flow meters: Fox recommends 15 pipe diameters of straight pipe upstream of the flow meter and 10 diameters downstream.

Inline Flow meters: Fox recommends 8 pipe diameters of straight pipe upstream of the flow meter and 4 diameters downstream.

If you do not have the recommended straight pipe please enter upstream and downstream information for your application:

_____ straight pipe diameters upstream of the flow meter.

_____ straight pipe diameters downstream of the flow meter.

For Fox Office Use:

Velocity: _____ SFPM

Rep/Distributor:

Contact:

Factory Use Only:

Tunnel

Cal. Gas

Hours

psig

Cal. Pres.