

Fox Thermal Instruments, Inc.

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Application Data Sheet

Model FT3 Flow Meters

2/18/2014

CUSTOMER INFORMATION

Company Name and Address:

Phone:

Contact:

Email Address:

Customer P.O. Number:

Tag Number: (20 characters maximum)

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: _____			

The FT3 electronics enclosure must be installed in an ambient temperature environment as follows:

- Enclosure without display or AC power supply: -40°F to 158°F (-40°C to 70°C)
- Enclosure with display or AC power supply: -4°F to 158°F (-20°C to 70°C)

Check this box if your application is outside of these limits.

Non Resettable Totalizer

Configure as Non Resettable Totalizer.

INSTRUMENT DETAILS

Flow meter and Display Orientation - See Code Sheet

D1 D2 D3 D4
 D5 D6 D7 D8
 N/A for Remote N/A - no display

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"/> SM3/D	<input type="checkbox"/> SLPM
<input type="checkbox"/> NM3/M	<input type="checkbox"/> MMSCFD	<input type="checkbox"/> LB/S	<input type="checkbox"/> SFPM
<input type="checkbox"/> NM3/H	<input type="checkbox"/> MMSCFM	<input type="checkbox"/> LB/M	<input type="checkbox"/> MT/H
<input type="checkbox"/> NM3/D	<input type="checkbox"/> MCFD	<input type="checkbox"/> LB/H	<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.
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