

Fox Thermal Instruments, Inc.

Application Data Sheet Model FT2 Flow Meters

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CUSTOMER INFORMATION

Company Name and Address:	Customer P.O. Number:
Phone: Contact: Email Address:	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: _____	_____	_____	_____

INSTRUMENT DETAILS

Flow meter and Display Orientation - See Code Sheet

F1 F2 F3 F4
 F5 F6 F7 F8
 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/H	<input type="checkbox"/> KG/M
<input type="checkbox"/> NMPS	<input type="checkbox"/> NLPH	<input type="checkbox"/> LB/S	<input type="checkbox"/> KG/H
<input type="checkbox"/> NM3/M	<input type="checkbox"/> MSCFD	<input type="checkbox"/> LB/M	<input type="checkbox"/> SLPM
<input type="checkbox"/> NM3/H	<input type="checkbox"/> MMSCFD	<input type="checkbox"/> LB/H	<input type="checkbox"/> SFPM
<input type="checkbox"/> NM3/D	<input type="checkbox"/> MMSCFM	<input type="checkbox"/> LB/D	<input type="checkbox"/> MT/H
			<input type="checkbox"/> MCFD

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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