

# Fox Thermal Instruments, Inc.

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# Application Data Sheet

## Model FT2 Flow meters

Rev. 06/09

### CUSTOMER INFORMATION

Company Name and Address:	P.O. Number:	S.O. Number:(Fox info)
	Tag Number: (20 characters maximum)	
Phone:	Comments:	
Contact:		
Email Address:		

### 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 composition sheet or fill in composition below.  
 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

4 mA Value: \_\_\_\_\_ (Normally Zero)  
 20 mA Value: \_\_\_\_\_

**Standard Temperature and Pressure (STP)**

Standard:  70°F and 14.7 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\* \_\_\_\_\_

\* An 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.

Rep/Distributor: \_\_\_\_\_ Contact: \_\_\_\_\_