

Fox Thermal Instruments, Inc.

399 Reservation Road, Marina, CA 93933
Phone: (831) 384-4300 Fax: (831) 384-4312
sales@foxthermalinstruments.com

Application Data Sheet Model 10A Flow meters

Rev. 01/01/09

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

<input type="checkbox"/> D1	<input type="checkbox"/> D4	<input type="checkbox"/> D7
<input type="checkbox"/> D2	<input type="checkbox"/> D5	<input type="checkbox"/> D8
<input type="checkbox"/> D3	<input type="checkbox"/> D6	<input type="checkbox"/> N/A for Remote

Display

Display flow rate only
 Alternate between flow rate, total, & elapse time*

* Alternate mode only available when minute or hour flow rate time units are used (i.e. SCFM, NM3H; not SFPS, NMPS).

Flow Rate 4 to 20 mA Scaling and Display Units Selection

Output Units:	<input type="checkbox"/> SCFM	<input type="checkbox"/> NLPM	<input type="checkbox"/> LB/HR
	<input type="checkbox"/> SCFH	<input type="checkbox"/> SLPM	<input type="checkbox"/> LB/MIN
	<input type="checkbox"/> NM3/HR	<input type="checkbox"/> KG/HR	<input type="checkbox"/> SCFD

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: