

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

1/18/12

CUSTOMER INFORMATION

Company Name and Address:

Phone:

Contact:

Email Address:

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:	_____	_____	_____	_____

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 mA 20 mA **Scaling** **Display Units Selection**

Output Units: SCFM NLPM LB/HR
 SCFH SLPM LB/MIN
 NM3/HR KG/HR SCFD

4 mA Value: _____ (Normally Zero)
 20 mA Value: _____

Standard Temperature and Pressure (STP)

Standard: 60°F and 14.7 psia (AGA standard for natural gas)
 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.

For Fox Office Use:
 Velocity: _____ SFPM

Rep/Distributor: _____ Contact: _____

Factory Use Only:	Tunnel	Cal. Gas	Hours	psig	Cal. Pres.
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