

Fox Thermal Instruments, Inc.

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Application Data Sheet**Model FT3 Flow meters**

Rev. 10/11/11

CUSTOMER INFORMATION

Company Name and Address:

P.O. Number:

Tag Number: (20 characters maximum)

Phone:

Contact:

Email Address:

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 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:			

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:**

☐ SCFM	☐ NLPS	☐ SMPS	☐ KG/S
☐ SCFH	☐ NLPM	☐ SM3/H	☐ KG/M
☐ NMPS	☐ NLPH	☐ LB/S	☐ KG/H
☐ NM3/M	☐ MSCFD	☐ LB/M	☐ SLPM
☐ NM3/H	☐ MMSCFD	☐ LB/H	☐ SFPM
☐ NM3/D	☐ MMSCFM	☐ LB/D	☐ MT/H

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 unitsOther (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.