

Fox Thermal Instruments, Inc.

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Application Data Sheet

Model FT3 Flow Meters

02/18/14

CUSTOMER INFORMATION

Company Name and Address:
Brand X
1234 Main St.
Cityville, ST 99999

Phone: **555-555-5555**

Contact: **Jane Doe**

Email Address: jane.doe@email.com

Customer P.O. Number:

Tag Number: **(20 characters maximum)**
FIT-1010

For Fox Office Use:
Model #:
S.O. #:
Serial #:

PROCESS DETAILS

Application Description
 Describe type of application (e.g. boiler feed, flare gas, etc.).

Oxygen Service

Gas Information
 Gas Name:
Oxygen

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:	<u>0</u>	<u>172.0</u>	<u>250.0</u>	SCFM ▼
Temperature:	<u>55</u>	<u>60</u>	<u>65</u>	Deg F ▼
Pressure:	<u>5</u>	<u>25</u>	<u>40</u>	PSIG ▼

The FT3 electronics enclosure must be installed in an ambient temperature environment as follows:
 • Enclosure without display or AC power supply: -40°F to 158°F (-40°C to 70°C)
 • Enclosure with display or AC power supply: -4°F to 158°F (-20°C to 70°C)
 Check this box if your application is outside of these limits.

INSTRUMENT DETAILS

Flow meter and Display Orientation - See Code Sheet
 D3 ▼

Temperature Units: Deg F ▼

4 mA Value: 0
 20 mA Value: 120

Flow Rate 4 to 20 mA Scaling and Display Units Selection

Flow Rate Units: SCFM ▼

4 mA Value: 0 (Normally 0)
 20 mA Value: 250

Standard Temperature and Pressure (STP)
 70°F and 14.7 psia ▼

Other - select values & units: _____ and _____

Comments:
Clean and bag flow meter for Oxygen service

Non Resettable Totalizer
 Configure as Non Resettable Totalizer.

PIPING INFORMATION AND STRAIGHT PIPE REQUIREMENTS

Pipe size: 1" Schedule: 40 Pipe ID*: 1.049 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:

10 straight pipe diameters upstream of the flow meter.

10 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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