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Application Data Sheet Model FT3 Flow Meters

7/15/2021

CUSTOMER INFORMATION

Company Name and Address:

Phone:

Contact:

Email Address:

Customer P.O. Number:

Tag Number: (20 characters maximum)

Notes:

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: _____			

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.

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 D9 D10
 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/M | <input type="checkbox"/> KG/M |
| <input type="checkbox"/> SCFD | <input type="checkbox"/> NLPH | <input type="checkbox"/> SM3/H | <input type="checkbox"/> KG/H |
| <input type="checkbox"/> NMPS | <input type="checkbox"/> MSCFD | <input type="checkbox"/> SM3/D | <input type="checkbox"/> SLPM |
| <input type="checkbox"/> NM3/M | <input type="checkbox"/> MMSCFD | <input type="checkbox"/> LB/S | <input type="checkbox"/> SFPM |
| <input type="checkbox"/> NM3/H | <input type="checkbox"/> MMSCFM | <input type="checkbox"/> LB/M | <input type="checkbox"/> MT/H |
| <input type="checkbox"/> NM3/D | <input type="checkbox"/> MCFD | <input type="checkbox"/> LB/H | <input type="checkbox"/> LB/D |

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 units
- Other (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
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Rep/Distributor: _____ Contact: _____