



## Multi-Phase Flow Meter (MPFM) Application Data Sheet

### Table of Revisions

Date	Revision	Version	ER Number	Description of Changes
December 21, 2010	00		5579	Initial Issue created by Tracy Parker, previously F0140.
April 26, 2018	01		DCR18-0003	Revised by Roslyn M. to update datasheets. Revised by Dianna Reed-Ilori to update properties and other information.

<b>Technical Reviewer</b>	Alex Colman	April 26, 2018
<b>Reviewer Name</b>	Rafael Carbajal	April 26, 2018
<b>Approved for Issue</b>	Ilenny Guevara	April 26, 2018



### Multi-Phase Flow Meter (MPFM) Application Data Sheet

Prepared By \_\_\_\_\_ Company \_\_\_\_\_ Date \_\_\_\_\_  
 Phone # \_\_\_\_\_ Email \_\_\_\_\_ Fax # \_\_\_\_\_  
 End User \_\_\_\_\_ Final Destination \_\_\_\_\_  
 Project Name \_\_\_\_\_ Project Number \_\_\_\_\_  
 Quantity of Units to be quoted on this Specification \_\_\_\_\_

**Required Information:** Dimensional drawing/sketch and P&ID. Please add Application description on second page.

#### Flow Conditions of Each Well

Well No.	Pressure at Metering Condition	Temp	Total Liquid	Oil	Water	Gas	WC Avg %	API	GOR
	<input type="checkbox"/> PSI <input type="checkbox"/> kPa <input type="checkbox"/> Bar	<input type="checkbox"/> °C <input type="checkbox"/> °F	<input type="checkbox"/> BPD <input type="checkbox"/> m³/d	<input type="checkbox"/> BPD <input type="checkbox"/> m³/d	<input type="checkbox"/> BPD <input type="checkbox"/> m³/d	<input type="checkbox"/> SCFD <input type="checkbox"/> ACFD <input type="checkbox"/> sm³/d <input type="checkbox"/> am³/d			<input type="checkbox"/> SCFD/BPD <input type="checkbox"/> sm³/d/ m³/d

#### Flow Properties

Salinity  0-10% Salt  0-20% Salt  Other (Specify): \_\_\_\_\_  
 Gas Void Fraction (GVF)  0-30%  0-85%  0-90%  0-95%  0-100%  Other (Specify): \_\_\_\_\_  
 Liquid Density \_\_\_\_\_ Gas Density \_\_\_\_\_  
 Average Oil Specific Gravity \_\_\_\_\_ Water pH \_\_\_\_\_  
 % by Volume CO<sub>2</sub> Content \_\_\_\_\_ Asphaltene /Wax Content \_\_\_\_\_ H<sub>2</sub>S \_\_\_\_\_

#### Specifications

Viscosity of Mixture (CP) with diluents (if added)	
<input type="checkbox"/> 0 – 2 cP	<input type="checkbox"/> 100 – 250cP
<input type="checkbox"/> 2 – 30 cP	<input type="checkbox"/> 250 – 500 cP
<input type="checkbox"/> 30 – 50 cP	<input type="checkbox"/> Greater than 500
<input type="checkbox"/> 50 – 100 cP	Specify: _____
Pressure Rating	
<input type="checkbox"/> ANSI 300#	
<input type="checkbox"/> ANSI 600#	
<input type="checkbox"/> ANSI 900#	
<input type="checkbox"/> Other (Specify): _____	

Customer Pipeline Size	Schedule
<input type="checkbox"/> 2"	<input type="checkbox"/> Sch 40
<input type="checkbox"/> 3"	<input type="checkbox"/> Sch 80
<input type="checkbox"/> 4"	<input type="checkbox"/> Sch 160 or above
<input type="checkbox"/> Other (Specify): _____	
Connection Flange Type	
<input type="checkbox"/> RF	
<input type="checkbox"/> RTJ	
<input type="checkbox"/> Other (Specify): _____	



<b>Process Temperature</b>
<input type="checkbox"/> 32°F to 212°F (0°C to 100°C) <input type="checkbox"/> 32°F to 450°F High Temperature (0°C to 232°C) <input type="checkbox"/> Other (Specify): _____
<b>Piping Material</b>
<input type="checkbox"/> Carbon Steel (A106 GrB Piping) <input type="checkbox"/> All 316/316L SS <input type="checkbox"/> Other (Specify): _____
<b>Enclosure</b>
<b>Hazardous Areas</b> <input type="checkbox"/> Aluminum <input type="checkbox"/> 316L SS <input type="checkbox"/> Other (Specify): _____ IP-66 Standard
<b>Power Supply</b>
<input type="checkbox"/> 24 VDC <input type="checkbox"/> 120 VAC ( <input type="checkbox"/> 50Hz or <input type="checkbox"/> 60Hz) <input type="checkbox"/> 220 VAC ( <input type="checkbox"/> 50Hz or <input type="checkbox"/> 60Hz) <input type="checkbox"/> Other (Specify): _____
<b>Customer Interface Software Protocol</b>
<input type="checkbox"/> MODBUS RTU <input type="checkbox"/> MODBUS ASCII <input type="checkbox"/> MODBUS TCP/IP <input type="checkbox"/> Other (Specify): _____
<b>Additional Computer</b>
<input type="checkbox"/> None <input type="checkbox"/> Laptop (Safe Area) <input type="checkbox"/> Hazardous Area <input type="checkbox"/> Other (Specify): _____

<b>Ambient Temperature</b>
<input type="checkbox"/> 32°F to 122°F (0°C to 50°C) <input type="checkbox"/> -4°F to 122°F (-20°C to 50°C) <input type="checkbox"/> Other (Specify): _____
<b>Instrumentation Material</b>
<input type="checkbox"/> 316/316L SS <input type="checkbox"/> Other (Specify): _____
<b>Electrical Entries</b>
<input type="checkbox"/> ¾" NPT Standard Optional Adapters <input type="checkbox"/> ¾" NPT X ½" NPT <input type="checkbox"/> ¾" NPT X M20 <input type="checkbox"/> ¾" NPT X M25 <input type="checkbox"/> Other (Specify): _____
<b>Customer Interface Hardware Protocol</b>
<input type="checkbox"/> RS 422 - 4 wire (RS-485 Full Duplex) <input type="checkbox"/> RS 232 - 3 wire <input type="checkbox"/> RS 485 Half Duplex - 2 wire <input type="checkbox"/> RJ45 Ethernet (Standard, included in all units) <input type="checkbox"/> Other (Specify): _____
<b>Certification</b>
<input type="checkbox"/> Class 1 Div 1 <input type="checkbox"/> ATEX <input type="checkbox"/> GOST <input type="checkbox"/> Other (Specify): _____

**Required Information:** Dimensional drawing/sketch and P&ID. Please add Application description below.