

Made to Measure
Micro MV

Competitive by Design

- Easy To Set-Up
- Custody Compliant
- Multifunctional



Specifications

Environmental

-40 TO 185° F @ 100% Humidity
 7-28 VDC @ 0.5 WATT
 Group B, C, D Housing
 NEMA 4x, Class 1, Division 1

Display

Automatic Scrolling
 Backlit Display with 4 Infrared
 Reflective Sensors
 Minutes, Hours, Days
 Plasma 4 Lines, 20 Characters

Communication Options

GSM Radio
 Satellite
 Serial Modbus
 TCP/IP Encapsulated Modbus
 (Optional Serial to Ethernet Converter
 is Used)

Products

Crude Oil / Condensate
 Natural Gases
 Industrial Gases (Premium Billing)

- Air
- Argon
- Hydrogen
- Nitrogen
- Oxygen
- Parahydrogen

Liquid CO₂
 LPG / Ethane / Pentane / Hexane
 Saturated / Superheated Steam
 Water
 Acetylene
 Aromatics
 Benzene
 Brine Water
 Butadiene
 Cyclehexane
 Ethane / Propane Mix
 Liquid Products w/ no Compensation
 Lube Oil
 Naptha
 Process Gases
 Propane / Propylene Mix
 Refined Products
 Specialized Products

Metering & Functionality

Custody Measurement (LACT)
 Liquid Batching
 Allocation Measurement
 Double Chronometry Meter Proving
 Well Head Measurement
 Premium Billing
 PID Control
 Plunger Control
 Smart Field I/O
 Custom Injection Archiving

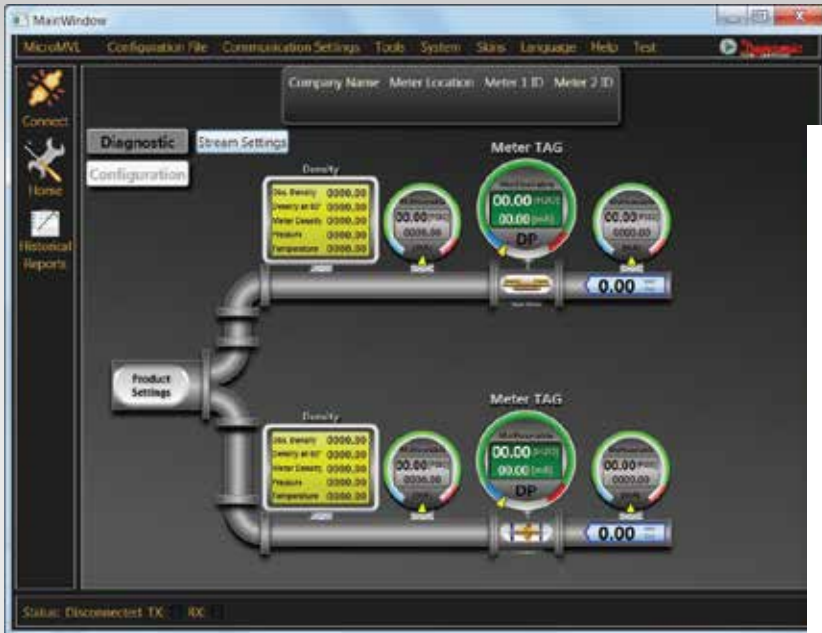
Meter Types

Coriolis
 Ultra Sonic
 Positive Displacement
 Turbine
 SmartCone®
 Orifice Meter
 Annubar™
 Nozzle
 Venturi
 Verabar™
 Wedge

Standards

ISO, ASTM, NIST, NBS
 API, AGA, GPA





Batch Report

Company Name: Dynamic
Meter Location: Stafford
Unit No.: 1

Meter ID:	Meter1	Meter2
Batch End Date:	03/04/14 15:43:25	03/04/14 15:43:25
Batch Start Date:	03/04/14 15:11:10	03/04/14 15:11:10
Batch No.:	1,003	1,003
Product No.:	1	1
Product Name:	Crude	Crude
Table:	Crude API (2004)	Crude API (2004)
Pipe ID:	10.00000	10.00000
Orifice ID:	5.00000	5.00000
Density Corr. Fact.:	1.00000	1.00000
K Factor:	1.000	1.000

	Meter 1 Forward	Meter 1 Reverse	Meter 2 Forward	Meter 2 Reverse
Opening				
Gross BBL	2,677,743.7	104.4	17.4	107.3
Net BBL	2,681,869.4	104.4	17.3	106.6
Mass MLB	693,882.47	23.37	3.87	23.86
Batch				
Gross BBL	299.0	526.4	306.4	539.5
Net BBL	297.4	523.5	304.5	536.2
Mass MLB	69.66	122.63	71.35	125.59

Batch Flow Weighted Average

	Meter 1 Forward	Meter 1 Reverse	Meter 2 Forward	Meter 2 Reverse
DP/Frequency	100.0000	100.0000	105.0000	105.0000
Temperature (Deg. F)	70.0	70.0	71.0	71.0
Pressure (PSIG)	200.0	200.0	201.0	201.0
Obs. Density (Lb/Ft3)	41.503	41.498	41.472	41.467
Densit. Temp (Deg.F)	0.0	0.0	0.0	0.0
Dansity at Base	41.723	41.723	41.723	41.723
Obs. Density (gm/cc)	0.664800	0.664700	0.664300	0.664200
Y Factor	0.994358	0.994452	0.994103	0.994206
K/CD/LMF	0.602379	0.602379	0.602375	0.602375
CTL	0.99234	0.99234	0.99158	0.99158
CPL	1.00234	1.00234	1.00237	1.00237
CTPL	0.99467	0.99467	0.99393	0.99393
Meter Density (Lb/Ft3)	41.503	41.498	41.472	41.467
SG	0.6655	0.6654	0.6650	0.6649
SG@60	0.6690	0.6690	0.6690	0.6690

The Micro MV is a four meter bi-directional field mounted flow computer with a built in Rosemount® 205 Multivariable Transmitter (DP, P, and TEMP). The MVS sensor can be used for all liquid and gas applications, including custody and non-custody measurements. The Micro MV flow computer is the most powerful explosion proof flow computer of its kind and represents one of the latest advancements in operation, performance, and modularity.

The Micro MV has been designed to meet the requirements of a wide variety of specialized industries using a single hardware platform thus reducing spare parts requirements, training and calibration costs, and lowers the overall cost of ownership.

With over 5,000 units in worldwide operation, the Micro MV is indicative of Dynamic Flow Computers' intense commitment to our customer's needs and expectations.

The Micro MV flow computer can be found operating under the most extreme conditions: the hot Saudi Arabian desert, the humid forests of Colombia, the snow-covered valleys of Canada, and the corrosive salt air of offshore platforms. You can be assured that the Micro MV will be reliable under the rigors of any environmental conditions that you can imagine.

All the standards of measurement for liquids or gas (API, AGA, ISO, NIST, etc.) are available in the Micro MV. We also include special equations at the request of our clients. Here are just a few of the ways we have you covered.

- Single Screen Graphical Diagnostic
- Alerts Against Operator Errors
- Software Generated Meter Proving Reports
- All Software/ Firmware Updates Available Online FREE OF CHARGE



12603 Southwest Freeway, Ste 320
 Stafford, Texas 77477 USA
 sales@dynamicflowcomputers.com

T: 281.565.1118
 F: 281.565.1119
 www.dynamicflowcomputers.com