

*We lead when others follow*



**FloPro®**

**Lithium-Ion Battery Powered  
Field Mounted Flow Computer**

## The Ultimate Remote Location Solution

*Intelligence for A Better Measurement*

Dynamic Flow Flow computers are the most versatile electronic flow measurement devices on the market. Each device can operate independently as a flow computer, RTU, process controller, or node in a comprehensive SCADA network.

### Key Features

- Increased measurement confidence, reduced measurement uncertainty
- Industry-leading differential and static pressure measurement
- Reduced need to re-calibrate resulting in less time spent on site
- Simplified configuration and set-up with the DynaCom™ configuration software tool
- Flexible design with configurable I/O and communication ports to meet site needs
- Standard firmware supports global calculations for orifice, cone, and many other flow meters types.
- Flexible PID control with override complimented by configurable logic blocks and effects
- Global Hazardous Area Approvals – Class 1 Div 1 & 2
- Ease of integration with support for Modbus



### Applications

- API14.3/AGA3 Orifice & Cone
- AGA 8 Natural Gas

### BATTERY POWERED

Fully autonomous battery powered unit

### RELIABILITY

Suitable for Class 1 DIV. 1 Group B, C & D Housing

### PERFORMANCE

Measurement uncertainty as low as

**1 Year**

**NEMA 4X**

**±0.05**

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## Technical Specification

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### Data Sheet | Flow Computer Model: FloPro

#### Power

Voltage Range	10- to 28 VDC,
Consumption	0.3 Watt
Communications interface	Lithium-Ion Battery Powered RS485 Modbus

#### Operating Conditions

Operating Temperature	- 40° to 80°C
Housing	NEMA 4X Class 1 Div 1 Group B, C, D Housing
Display	- 20 to 70°C Wide Angle

#### Hardware

Display	Plasma 8 Lines x 16 Characters and
Processor	8-bit Microchip microcontroller and 32-bit Freescale microcontroller

Frequency Input	2 Channels Square Wave 0 - 6kHz, Signal > 3 V Sine Wave 0 – 1200Hz, Signal > 70mVp-p
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Multivariable Transmitter	Optional Built-In Multivariable Transmitter Temperature Range: - 200 thru 1200 F Pressure Range: 0 thru 3626 PSIG DP Range: 0 thru 250 inches OR 0 thru 1000 inches
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Analog I/O	> 3 Analog Inputs and One Analog Output, or > 1 Analog Input and 1 RTD Input > 1-5V Input > 5V output
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Digital I/O	> 1 Digital Input > 2 Digital Outputs.
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Serial Communications	> 1 Serial Port RS485/RS232 Selectable > 1 Optional RS232 Serial Port
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Communications Protocol	FloPro employs universal Modbus® structures for exchanging data among DFC computers, remote SCADA hosts, and other field automation devices. The FloPro flow computer responds to inquiries from radios and other devices using serial, Ethernet, and optional WiFi communications.
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