

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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FloPro[®]

Technical Specification

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Data Sheet | Flow Computer Model: FloPro

Power

Voltage Range	10- to 28 VDC,
Consumption	0.3 Watt
	Lithium-Ion Battery Powered
Communications interface	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
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
Analog I/O	> 3 Analog Inputs and One Analog Output, or > 1 Analog Input and 1 RTD Input > 1-5V Input > 5V output
Digital I/O	> 1 Digital Input > 2 Digital Outputs.
Serial Communications	> 1 Serial Port RS485/RS232 Selectable > 1 Optional RS232 Serial Port
Communications Protocol	Modbus™