

## eFLO

### eFlo – electronic flow meter

eFlo is an electronic flow measurement instrument used to display and control the flow of gases. With simple compatibility with existing controls, tracking and monitoring gas flows has never been easier. Designed for use in the harshest industrial environments.

eFlo allows for easy replacement of manual flow meters and seamlessly integrates into existing control systems.

### Benefits:

- Available with electronic valve, manual valve, and without control valve
- Digital display with easy-to-use touch pad
- Precision flow measurement
- Direct and remote setpoint control
- Utilizes Flow Meter View software
- Easy retrofit for existing flow measuring equipment
- Flow calibration can be certified while in use to meet CQI-9 requirements
- NIST-traceable calibration
- SCADA Integration: Current Flow, Totalized Flow, Setpoint, Cost Calculation
- Built-in high/low flow alarms
- Flow totalizing
- Analog control and feedback for data acquisition
- Integrated comms via Modbus over RS232/RS485

### Common Gases

- Natural Gas
- Propane
- Air
- Hydrogen
- Dissociated Ammonia
- Nitrogen
- Exothermic Gas
- Endothermic Gas
- Methane
- Other Industrial Gases



*Everything flows... but controlled (with Avion)*

## eFLO



### Indicator LEDs

- Process Data Display
- Alarm (Hi/Low)
- Auto/Manual
- Open/Close
- Motor Drive

### Tactile Keypad

- Totalizer
  - Aggregate flow from last reset
- Reset
- Setpoint
- Auto/Manual
- Setup
  - Configuration



### eFlo Part Number

14	Valve Type	Gas Type
Flow Meter	<p><b>A</b> = Automatic (Electronic) Valve</p> <p><b>M</b> = Manual (Non-Electronic) Valve</p> <p><b>X</b> = Fixed Flow No Valve</p>	<ul style="list-style-type: none"> <li>• Acetylene</li> <li>• Air</li> <li>• Ammonia</li> <li>• Argon</li> <li>• Butane</li> <li>• Carbon Dioxide</li> <li>• Carbon Monoxide</li> <li>• Chlorine</li> <li>• Dissociated Ammonia</li> <li>• Endothermic Gas (C<sub>3</sub>H<sub>8</sub>)</li> <li>• Endothermic Gas (CH<sub>4</sub>)</li> <li>• Ethane</li> <li>• Ethylene</li> <li>• Exothermic Gas</li> <li>• Helium</li> <li>• Hydrogen</li> <li>• Hydrogen Chloride</li> <li>• Hydrogen Sulfide</li> <li>• Methane</li> <li>• Natural Gas</li> <li>• Neon</li> <li>• Nitrogen</li> <li>• Nitrous Oxide</li> <li>• Oxygen</li> <li>• Propane</li> <li>• Sulfur Dioxide</li> </ul>

Specifications			
Power Required:	24VDC @ 400mA	Max. Output Signal Load:	500 Ω
Accuracy:	+/- 4%	Input Control Signal (Linear):	4 – 20mA
Turndown Ratio:	6:1	Response Time:	1 – 10 seconds
Gas Temp. Limits:	32°F to 150°F (0°C to 65.6°C)	Communications:	RS232, RS485
Ambient Temp. Limits:	32°F to 150°F (0°C to 65.6°C)	Communications Protocol:	Modbus RTU
Flow Output Signal (Linear):	4 – 20mA	Flow Meter Pressure Limits:	5 psig max. (Standard)

**AVION** Europa GmbH & Co. KG  
 Röhrensprung 18  
 D-58093 Hagen  
 fon +49 (0) 2331 396 345 - 0  
 fax +49 (0) 2331 396 345 - 5  
 mail info@avion-europe.de  
 web www.avion-europe.de