

G2 Series Industrial Meter MODULES

FM Approved Remote Kit Assembly (Part No. 113275-1)



*FM Approved
Remote Kit
Assembly Installed*



The Factory Mutual (FM) Approved Remote Kit Assembly modifies FLOMEC® Electronic Digital Meters for applications in specialized situations including remote indication and high or low fluid temperature metering applications. This kit provides the versatility of panel mounting of the LCD readout up to 100 ft. (30 m) from the turbine.

This kit consists of a sensor module, a dust cover assembly and 10 ft. (3 m) of cable. Requires a complete meter with display.

Features and Benefits:

- ✓ Maintains FM Approval.
- ✓ Accommodates fluid temperatures from -40° F to +250° F (-40° C to +121° C) depending on meter.
- ✓ This kit can upgrade an existing FLOMEC® meter or can be purchased with a new meter.
- ✓ Battery powered from meter; no additional power required.

SPECIFICATIONS

Magnetic Pickup:	1.3 k Ohm, 90 mH
Signal Type:	Sine Wave
Voltage:	Peak to Peak 10 mV to 500 mV
Frequency:	11 to 750 Hz
Cable:	10 ft. (3 m), 2-conductor shielded, Belden #9501

APPROVALS



IP65

Conditioned Signal Output Module (Part No. 113435-1)



*Conditioned Signal
Output Module Installed*

This module provides an unscaled, amplified, digital signal capable of transmission up to 5,000 ft. (1.5 km). There is no need for additional signal conditioning or amplification devices to achieve the desired digital signal. Use on G2 "Turbine Only" model.

The module is factory assembled for Open Collector signal output and operates from an external 9 to 35 volt power source. By changing terminal connections and adding a battery kit, the module provides a self-powered 6-volt Square Wave signal.

Features and Benefits:

- ✓ Provides two digital signals: Open Collector or 6-volt Square Wave and can communicate with most process control devices.
- ✓ Operating temperature range of -40° F to +212° F (-40° C to +100° C).
- ✓ Can be externally powered or battery powered.

SPECIFICATIONS

Connector:	Hubble PG7
Signal Type:	Open Collector (NPN)
Power:	External 9 to 35 V (dc), approximately 1 mA
Connection:	Three wire
Frequency:	0 to 750 Hz
Cable:	10 ft. (3 m) Belden #9363

APPROVALS

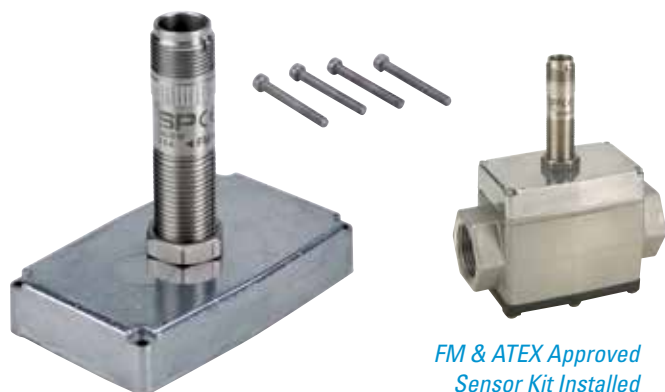


G2 Series Industrial Meter MODULES

FM and ATEX Approved Sensor Kit

FM: Part No. 120077-01

ATEX: Part No. 120077-02



The Factory Mutual (FM and ATEX) Approved Sensor is designed for use with any G2 Turbine Meter when rotor pulse data is required and the meter is located within a hazardous location. The output signal is compatible with existing FLOMEC® remote electronics. Use on G2 "Turbine Only" model.

This kit includes pickup, screws, coverplate and jam nut. Connection Kit sold separately. (Part# 113524-01)

Features and Benefits:

- ✓ Mounts to any G2 meter housing via the coverplate
- ✓ Ideal for indoor or outdoor applications
- ✓ Factory Mutual (Intrinsic Safe) Class 1, Div. 1, Groups ABCDEFG
- ✓ ATEX II1 G Ex ia IIC, FM08ATEX0066x

SPECIFICATIONS

Signal Type:	Open Collector (NPN)
Power Source:	5.8 to 30 V (dc)
Supply Current:	≤ 15 mA
Frequency:	5 to 10k Hz
Cable:	None provided - 3 conductor required for use
Temperature:	Sensor is capable of operating in the range of -40° F to +248° F (-40° C to +120° C).
Temperature:	For Class I, II, III, Division 1: Group ABCDEFG and CSA: Class 1, Div. 1 Group ABCD, the following temperature codes apply:
	T6 +185° F (+85° C) at +149° F (+65° C) Ambient Temperature
	T5 +212° F (+100° C) at +186° F (+85° C) Ambient Temperature

APPROVALS



4-20 mA Module

(Part No. 125100-1)



Combine the 4-20 mA Module with an Industrial Grade Turbine and Display Electronics to provide an industry standard analog signal for connection to a wide variety of chart recorders, display equipment and process control equipment.

This module outputs an analog signal which is directly proportional to the frequency of the digital output. With some simple adjustments, you can scale the module to represent whatever range is desired (minimum range of 75Hz). Kit comes with circuit, assembly, enclosure and screws.

Features and Benefits:

- ✓ Communicates with most analog process control devices
- ✓ Operating temperature range of +14° F to +140° F (-10° C to +60° C)
- ✓ Module installs on all turbine sizes
- ✓ Provides external power to display electronics

SPECIFICATIONS

Signal Type:	Analog
Power:	Loop Powered
Voltage:	7 to 30 V (dc)
Strain Relief:	Hubble PG7
Cable:	10 ft. (3 m), Belden #9363



G2 Series Industrial Meter MODULES

Pulse Access Module

(Part No. 125060-1)



The Pulse Access Module provides an unscaled, digital signal from your FLOMEC® meter by accessing circuitry from the on-board display readout.

This kit comes complete, ready to install, with a circuit assembly, coverplate assembly and 10 ft. (3 m) of cable.

The Pulse Access Module requires both a FLOMEC Turbine and an 09 Display Electronics which are sold separately.

Features and Benefits:

- ✓ Provides a digital Open Collector signal
- ✓ Operating temperature range of +14° F to +140° F (-10° C to +60° C)
- ✓ Can transmit signal up to 5,000 ft. (1.5 km)
- ✓ Communicates with most digital process control devices and its easy to install

SPECIFICATIONS

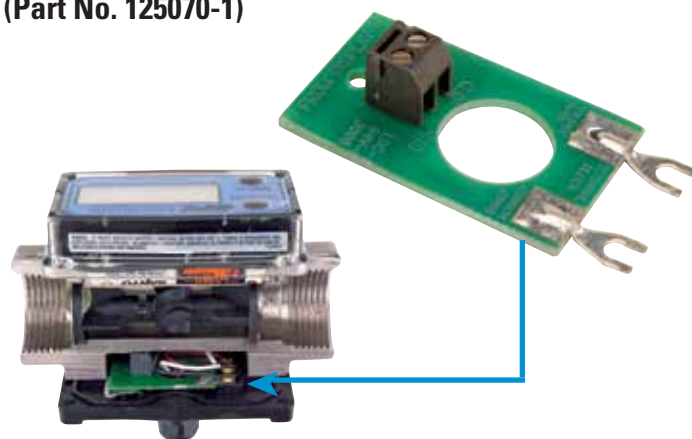
Signal Type:	Open Collector (NPN)
Voltage:	0 to 60 V (dc)
Frequency:	0 to 750 Hz
Strain Relief:	Hubble PG7
Cable:	10 ft. (3 m) Belden #9363

APPROVALS



External Power Module

(Part No. 125070-1)



Combine the External Power Module and the Pulse Access Module to provide external power capabilities to a FLOMEC® Electronic Digital Meter.

The module is designed to provide regulated power to the Display Electronics. The batteries then become a backup or auxiliary power source.

If desired, a pulse output may be accessed. The unscaled, digital signal is capable of transmission up to 5,000 ft. (1.5 km).

Features and Benefits:

- ✓ Internal batteries become a backup or auxiliary power source
- ✓ Operating temperature range of +14° F to +140° F (-10° C to +60° C)
- ✓ Input power is 7 to 30 volt external power

SPECIFICATIONS

Voltage:	7 to 30 V (dc) @ 1 mA
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APPROVALS



G2 Series Industrial Meter ACCESSORIES

Conduit Adapter Kit

(Part No. 113437-01)

The Conduit Adapter allows you to enclose wiring from the magnetic pickup. The kit includes a turbine meter cover with a 1 inch male NPT conduit fitting and screws for plastic or metal installation.



*Conduit Adapter
Kit Installed*

90° Display Adapter Kit

(Part No. 125260-01)

90° Display Adapter Kit allows for horizontal readout of vertical meters. Includes adapter, O-ring, screws and foam spacers required for installation.

Can be ordered with a meter. Specify -19 option with meter order.



*Kit Shown Installed
on PVDF Meter*



Pulse Access Dust Cover

(Part No. 125080-1)

Used with the Remote Kit, this part replaces the dust cover that houses the electronic display. This module provides a digital, open collector (NPN) output signal. Use this combination to communicate to a PLC or other piece of electronic equipment.



*Pulse Access Dust
Cover Installed*

