G2 SERIES Industrial Grade Meters









G2 SERIES INDUSTRIAL GRADE METERS

The unique modular approach of the Industrial Grade Meter line allows you to design a meter to match your specific application. Turbine choice depends on flowrate, line size, pressure rating, fitting type, chemical compatibility and temperature range. When choosing a G2 Series Meter, select from our wide variety of materials and sizes. These meters offer high accuracy at a lower cost, are compact and include a self-contained design. G2 Series Meters are field serviceable.

1) Select Your Turbine Material and Size

Turbine choice depends on flowrate, line size, pressure rating, fitting type, chemical compatibility and temperature range.



Stainless Steel



Aluminum
(Shown with 09 Computer)



Brass
(Shown with 09 Computer)



PVDF

2) Need A Computer?



09 Computer



XX No Computer

Or Choose an Electronics
(For further details and selections see the Electronics Section.)

3) Add a Module?



Standard Remote Kit



FM Approved Remote Kit



Conditioned Signal Output Module



FM Approved Sensor Kit



4-20 mA Module



Pulse Access Module

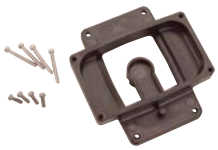


External Power Module
(Pulse Access Module Required)

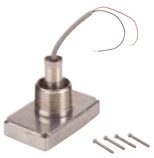
4) Do You Require Any Accessories?



Conduit Adapter Kit



90° Display Adapter Kit



510 Conversion Kit



Pulse Access Dust Cover



Electronics Programmer

METER NUMBER REFERENCE

Product Identifier

G2 = Industrial Grade Meter

Turbine Material & Size

Metal Meters:

S05 = Stainless Steel – 1/2 in.
S07 = Stainless Steel – 3/4 in.
S10 = Stainless Steel – 1 in.
S15 = Stainless Steel – 1-1/2 in.
S20 = Stainless Steel – 2 in.
H05 = Stainless Steel High Pressure – 1/2 in.
H07 = Stainless Steel High Pressure – 3/4 in.
H10 = Stainless Steel High Pressure – 1 in.
H15 = Stainless Steel High Pressure – 1-1/2 in.
H20 = Stainless Steel High Pressure – 2 in.
A05 = Aluminum – 1/2 in.
A07 = Aluminum – 3/4 in.
A10 = Aluminum – 1 in.
A15 = Aluminum – 1-1/2 in.
A20 = Aluminum – 2 in.
B05 = Brass – 1/2 in.
B07 = Brass – 3/4 in.
B10 = Brass – 1 in.
B15 = Brass – 1-1/2 in.
B20 = Brass – 2 in.

Plastic Meters:

P05 = PVDF – 1/2 in.
P10 = PVDF – 1 in.

Fitting Type

See Reference section for meter dimensions.

F = 150# ANSI Flange - available on S10, S15 and S20 only
I = ISO (Female) BSPT*
N = NPT (Female)
T = Tri-Clover® Fitting - available on S05 - S20 only
X = Electronics Only - for metal meters
Z = Electronics Only - for plastic meters

Electronic Choice

Turbine with Local Display

09 = 2 Button Computer, Field Configurable (2 Totals and Rate of Flow)
19 = Vertical Mount 2-Button Computer, Field Configurable (2 Totals and Rate of Flow)

Pulse Output (Remote)

41 = Remote Pulse Out Transmitter & Sine Wave Pickup (Standard Remote Sensor Option)
43 = Remote Pulse Out Transmitter & Turbine Mounted Computer (Pulse Out Sensor Option)

GG500 – Display with Pulse Output (Remote)

51 = Sine Wave Pickup (Standard Remote Sensor Option)
52 = Open Collector Pickup (Conditioned Signal Sensor Option)
53 = Turbine Mounted Computer (Pulse Access Sensor Option)

GX500 – Display with 4-20 mA Output (Remote)

61 = Sine Wave Pickup (Standard Remote Sensor Option)
62 = Open Collector Pickup (Conditioned Signal Sensor Option)
63 = Turbine Mounted Computer (Pulse Access Sensor Option)

GA500 – 4-20 mA Output (Remote)

71 = Sine Wave Pickup (Standard Remote Sensor Option)
72 = Open Collector Pickup (Conditioned Signal Sensor Option)
73 = Turbine Mounted Computer (Pulse Access Sensor Option)

No Electronics – Turbine Only

XX = No Electronics – Turbine Only

Calibration

GM = Gallons / Minute
LM = Litres / Minute
XX = No Computer

Packaging

A = Use for Turbine Only or Turbine w/Display (Sizes 05-10)
B = Use for Turbine Only or Turbine w/Display (Sizes 15-20)
C = Use for Turbine with Remote Transmitter With or Without Turbine Mounted Display (Sizes 05-20)
D = Use for 150# ANSI Flange Turbine Only (Size 10)
E = Use for 150# ANSI Flange Turbine Only (Sizes 15-20) Use for 150# ANSI Flange Turbine with Remote Transmitter (Sizes 10, 15 or 20)

G2 + S07 + N + 09 + GM + A ← (Sample Model Number)

* ISO 7 designation is RC



"Look for the blue label!"

The FLOMEC® Stainless Steel Meter line has a proven track record in the industrial market. FLOMEC Stainless Steel Meters are rugged and dependable. Use stainless steel meters for most chemicals: Ammonium, Plating Solutions and Fuel products.

* ISO 7 designation is RC

For complete part number, see "Meter Number Reference" for this section.

Select Your Meter Size:

1/2 inch 3/4 inch 1 inch 1-1/2 inch 2 inch

Features and Benefits:

- ✓ Meter is designed for thin fluids < 100 cp.
- ✓ Modular design allows for use with Output Modules, Sensors and Remote Transmitters.
- ✓ 2 Totals (Batch = Resettable, Cumulative = Non-Resettable); Rate of Flow. Factory calibrated in gallons and litres. Field calibratable. Allows user calibration. Includes non-volatile totals.
- ✓ High accuracy meter.
- ✓ Internal parts are simple to replace for easy maintenance.
- ✓ Lithium battery life: 5 years.
- ✓ Accessories easily upgrade meter.

STAINLESS STEEL – SPECIFICATIONS

Fitting Type:		NPT or ISO (Female) BSPT*	
Housing Material:		316 Stainless Steel	
Meter Sizes Available:		1/2" 3/4" 1" 1-1/2" 2"	
Flow Range:	**1/2" (S05)**	1 - 10 GPM	(3.8 - 37.9 LPM)
	3/4" (S07)	2 - 20 GPM	(7.6 - 75.7 LPM)
	1" (S10)	5 - 50 GPM	(18.9 - 190 LPM)
	1-1/2" (S15)	10 - 100 GPM	(38.0 - 380 LPM)
	2" (S20)	20 - 200 GPM	(76 - 760 LPM)
Accuracy (% of Reading):		**Turbine Only**	**Turbine w/Computer**
	1/2" (S05)	± 2.0%	± 1.5%
	3/4" (S07)	± 1.5%	± 1.0%
	1" (S10)	± 1.5%	± 1.0%
	1-1/2" (S15)	± 1.0%	± 0.75%
	2" (S20)	± 1.0%	± 0.75%
Repeatability:		± 0.1%	
Pressure Rating:		1,500 PSI / 102 BAR	
Operating Temperature Range:		-40° F to +250° F (-40° C to +121° C)	
with Computer:		0° F to +140° F (-18° C to +60° C)	
Typical K-Factor:	**1/2" (S05)**	2,500 PPG / 660 PPL	
	3/4" (S07)	1,100 PPG / 291 PPL	
	1" (S10)	565 PPG / 149 PPL	
	1-1/2" (S15)	215 PPG / 57 PPL	
	2" (S20)	100 PPG / 26 PPL	
Wetted Materials:	**Housing:**	316 Stainless Steel	
	Bearings:	96% Alumina Ceramic	
	Shaft:	Tungsten Carbide	
	Rotor:	PVDF	
	Rings:	316 Stainless Steel	
Frequency Range:	**1/2" (S05)**	42 - 420 Hz @ 1 - 10 GPM	
	3/4" (S07)	37 - 370 Hz @ 2 - 20 GPM	
	1" (S10)	47 - 470 Hz @ 5 - 50 GPM	
	1-1/2" (S15)	36 - 360 Hz @ 10 - 100 GPM	
	2" (S20)	33 - 330 Hz @ 20 - 200 GPM	
Recommended Strainer Size:			
1/2", 3/4"and 1"		60 mesh (250 micron)	
1-1/2" and 2"		30 mesh (595 micron)	
Maximum Flow:	**1/2" (S05)**	15 GPM (56.8 LPM)	
	3/4" (S07)	30 GPM (113.6 LPM)	
	1" (S10)	75 GPM (284 LPM)	
	1-1/2" (S15)	150 GPM (568 LPM)	
	2" (S20)	300 GPM (1,136 LPM)	
Wrench Flat Size:	**1/2" (S05)**	1-1/16 inch (27 mm)	
	3/4" (S07)	1-5/16 inch (33 mm)	
	1" (S10)	1-5/8 inch (41 mm)	
	1-1/2" (S15)	2-3/8 inch (60 mm)	
	2" (S20)	3 inch (75 mm)	
Shipping Weight:	**1/2" (S05)**	2.3 lbs./1.0 kg - Turbine Only: 2.1 lbs./.95 kg	
	3/4" (S07)	2.5 lbs./1.1 kg - Turbine Only: 2.3 lbs./1.0 kg	
	1" (S10)	3.0 lbs./1.3 kg - Turbine Only: 2.8 lbs./1.2 kg	
	1-1/2" (S15)	4.6 lbs./2.1 kg - Turbine Only: 4.4 lbs./2.0 kg	
	2" (S20)	6.8 lbs./3.0 kg - Turbine Only: 6.6 lbs./3.0 kg	
Calibration Report		Comes standard with G2 Series meters.	
		N.I.S.T. – Certification available.	

ELECTRONIC CHOICES

Local Display, Remote Display & Remote Transmitter Options:	See Electronics Section.

APPROVALS

FM · FM APPROVED · CE · NEMA 4 · ATEX Ex · **IP65** · **IECEx**

G2 Industrial Meters **HIGH PRESSURE**



"Look for the blue label!"

This is the turbine meter of choice for high pressure applications like spray washers and hydraulic systems. PSIG for the FLOMEC® High Pressure Meter is 3,000 compared to 1,500 for the standard stainless steel meter. This proven meter can perform in all kinds of high pressure applications.

* ISO 7 designation is RC

For complete part number, see "Meter Number Reference" for this section.

Select Your Meter Size:

1/2 inch 3/4 inch 1 inch 1-1/2 inch 2 inch

Features and Benefits:

- ✓ Meter is designed for thin fluids < 100 cp.
- ✓ Excellent chemical compatibility.
- ✓ Modular design allows for use with Output Modules, Sensors and Remote Transmitters.
- ✓ 2 Totals (Batch = Resettable, Cumulative = Non-Resettable); Rate of Flow. Factory calibrated in gallons and litres. Field calibratable. Allows user calibration. Includes non-volatile totals.
- ✓ Internal parts are simple to replace for easy maintenance.
- ✓ Lithium battery life: 5 years.

HIGH PRESSURE – SPECIFICATIONS

Fitting Type:		NPT or ISO (Female) BSPT*	
Housing Material:		316 Stainless Steel	
Meter Sizes Available:		1/2" 3/4" 1" 1-1/2" 2"	
Flow Range:	**1/2" (H05)**	1 - 10 GPM	(3.8 - 37.9 LPM)
	3/4" (H07)	2 - 20 GPM	(7.6 - 75.7 LPM)
	1" (H10)	5 - 50 GPM	(18.9 - 190 LPM)
	1-1/2" (H15)	10 - 100 GPM	(38.0 - 380 LPM)
	2" (H20)	20 - 200 GPM	(76 - 760 LPM)
Accuracy (% of Reading):		**Turbine Only**	**Turbine w/Computer**
	1/2" (H05)	± 2.0%	± 1.5%
	3/4" (H07)	± 1.5%	± 1.0%
	1" (H10)	± 1.5%	± 1.0%
	1-1/2" (H15)	± 1.0%	± 0.75%
	2" (H20)	± 1.0%	± 0.75%
Repeatability:		± 0.1%	
Pressure Rating:		3,000 PSI / 207 BAR	
Operating Temperature Range:		-40° F to +250° F (-40° C to +121° C)	
with Computer:		0° F to +140° F (-18° C to +60° C)	
Typical K-Factor:	**1/2" (H05)**	2,500 PPG / 660 PPL	
	3/4" (H07)	1,100 PPG / 291 PPL	
	1" (H10)	565 PPG / 149 PPL	
	1-1/2" (H15)	215 PPG / 57 PPL	
	2" (H20)	100 PPG / 26 PPL	
Wetted Materials:	**Housing:**	316 Stainless Steel	
	Bearings:	96% Alumina Ceramic	
	Shaft:	Tungsten Carbide	
	Rotor:	PVDF	
	Rings:	316 Stainless Steel	
Frequency Range:	**1/2" (H05)**	42 - 420 Hz @ 1 - 10 GPM	
	3/4" (H07)	37 - 370 Hz @ 2 - 20 GPM	
	1" (H10)	47 - 470 Hz @ 5 - 50 GPM	
	1-1/2" (H15)	36 - 360 Hz @ 10 - 100 GPM	
	2" (H20)	33 - 330 Hz @ 20 - 200 GPM	
Recommended Strainer Size:			
1/2", 3/4" and 1"		60 mesh (250 micron)	
1-1/2" and 2"		30 mesh (595 micron)	
Maximum Flow:	**1/2" (H05)**	15 GPM (56.8 LPM)	
	3/4" (H07)	30 GPM (113.6 LPM)	
	1" (H10)	75 GPM (284 LPM)	
	1-1/2" (H15)	150 GPM (568 LPM)	
	2" (H20)	300 GPM (1,136 LPM)	
Wrench Flat Size:	**1/2" (H05)**	1-1/16 inch (27 mm)	
	3/4" (H07)	1-5/16 inch (33 mm)	
	1" (H10)	1-5/8 inch (41 mm)	
	1-1/2" (H15)	2-3/8 inch (60 mm)	
	2" (H20)	3 inch (75 mm)	
Shipping Weight:	**1/2" (H05)**	2.3 lbs./1.0 kg - Turbine Only: 2.1 lbs./.95 kg	
	3/4" (H07)	2.4 lbs./1.1 kg - Turbine Only: 2.2 lbs./1.0 kg	
	1" (H10)	3.0 lbs./1.3 kg - Turbine Only: 2.8 lbs./1.2 kg	
	1-1/2" (H15)	4.6 lbs./2.1 kg - Turbine Only: 4.4 lbs./2.0 kg	
	2" (H20)	6.8 lbs./3.0 kg - Turbine Only: 6.6 lbs./3.0 kg	
Calibration Report		Comes standard with G2 Series meters.	
		N.I.S.T. – Certification available.	

ELECTRONIC CHOICES

Local Display, Remote Display & Remote Transmitter Options:	See Electronics Section.

APPROVALS

FM · FM APPROVED · CE · NEMA 4 · ATEX · **IP65** · **IECEx**



Select stainless steel meters with 150# ANSI Flanges when you need a meter that installs in-line quickly. Flange Meters are easily installed and removed with eight bolts. Combine with FLOMEC® Computer Electronics for a complete, accurate, metering system.

For complete part number, see "Meter Number Reference" for this section.

Select Your Meter Size:

1 inch 1-1/2 inch 2 inch

Features and Benefits:

- ✓ Stainless steel meters have excellent chemical compatibility.
- ✓ Modular design allows for use with Output Modules, Sensors and Remote Transmitters.
- ✓ 2 Totals (Batch = Resettable, Cumulative = Non-Resettable); Rate of Flow. Factory calibrated in gallons and litres. Field calibratable. Allows user calibration. Includes non-volatile totals.
- ✓ Precision accuracy meter.
- ✓ Internal parts are simple to replace for easy maintenance.
- ✓ Lithium battery life: 5 years.
- ✓ Accessories easily upgrade meter.

ANSI FLANGE – SPECIFICATIONS

Fitting Type:		150# ANSI Flange	
Housing Material:		316 Stainless Steel	
Meter Sizes Available:		1" 1-1/2" 2"	
Flow Range:	**1" (S10F)**	5 - 50 GPM	(18.9 - 190 LPM)
	1-1/2" (S15F)	10 - 100 GPM	(38.0 - 380 LPM)
	2" (S20F)	20 - 200 GPM	(76 - 760 LPM)
Accuracy (% of Reading):		**Turbine Only**	**Turbine w/Computer**
	1" (S10F)	± 1.5%	± 1.0%
	1-1/2" (S15F)	± 1.0%	± 0.75%
	2" (S20F)	± 1.0%	± 0.75%
Repeatability:		± 0.1%	
Pressure Rating:		Flange Rule	
Operating Temperature Range:		-40° F to +250° F (-40° C to +121° C)	
with Computer:		0° F to +140° F (-18° C to +60° C)	
Typical K-Factor:	**1" (S10F)**	565 PPG / 149 PPL	
	1-1/2" (S15F)	215 PPG / 57 PPL	
	2" (S20F)	100 PPG / 26 PPL	
Wetted Materials:	**Housing:**	316 Stainless Steel	
	Bearings:	96% Alumina Ceramic	
	Shaft:	Tungsten Carbide	
	Rotor:	PVDF	
	Rings:	316 Stainless Steel	
Frequency Range:	**1" (S10F)**	47 - 470 Hz @ 5 - 50 GPM	
	1-1/2" (S15F)	36 - 360 Hz @ 10 - 100 GPM	
	2" (S20F)	33 - 330 Hz @ 20 - 200 GPM	
Recommended Strainer Size:			
	1" (S10F)	60 mesh (250 micron)	
	1-1/2" (S15F)	30 mesh (595 micron)	
	2" (S20F)	30 mesh (595 micron)	
Maximum Flow:	**1" (S10F)**	75 GPM (284 LPM)	
	1-1/2" (S15F)	150 GPM (568 LPM)	
	2" (S20F)	300 GPM (1,136 LPM)	
Shipping Weight:	**1" (S10F)**	7.2 lbs./3.3 kg - Turbine Only: 7.0 lbs./3.2 kg	
	1-1/2" (S15F)	11.3 lbs./5.1 kg - Turbine Only: 11.1 lbs./5.0 kg	
	2" (S20F)	18.6 lbs./8.4 kg - Turbine Only: 18.4 lbs./8.3 kg	
Calibration Report		Comes standard with G2 Series meters. N.I.S.T. – Certification available.	

ELECTRONIC CHOICES

Local Display, Remote Display & Remote Transmitter Options:	See Electronics Section.

APPROVALS

FM APPROVED · FM c us APPROVED · CE · NEMA 4 · ATEX Ex · **IP65** · **IECEx**

G2 Industrial Meters TRI-CLOVER®



"Look for the blue label!"

The FLOMEC® Stainless Steel Meters with Tri-Clover® fittings can be used with food and beverage industries in preprocess applications. Built of stainless steel construction, these meters come in five sizes to fit most every application.

For complete part number, see "Meter Number Reference" for this section.

Select Your Meter Size:

1/2 inch Meter with 3/4 inch Fitting
3/4 inch Meter with 1 inch Fitting
1 inch Meter with 1-1/2 inch Fitting
1-1/2 inch Meter with 2 inch Fitting
2 inch Meter with 2-1/2 inch Fitting

Features and Benefits:

- ✓ Stainless steel meter with Tri-Clover® fittings.
- ✓ Modular design allows for use with Output Modules, Sensors and Remote Transmitters.
- ✓ 2 Totals (Batch = Resettable, Cumulative = Non-Resettable); Rate of Flow. Factory calibrated in gallons and litres. Field calibratable. Allows user calibration. Includes non-volatile totals.
- ✓ Internal parts are easy to replace.
- ✓ Lithium battery life: 5 years.
- ✓ Accessories easily upgrade meter.

TRI-CLOVER® – SPECIFICATIONS

Fitting Type:		Tri-Clover®
Housing Material:		316 Stainless Steel
Meter Sizes Available:		1/2" 3/4" 1" 1-1/2" 2"
Tri-Clover® Fittings Available:		3/4" 1" 1-1/2" 2" 2-1/2"
Flow Range:	**1/2" (S05T)**	1 - 10 GPM (3.8 - 37.9 LPM)
	3/4" (S07T)	2 - 20 GPM (7.6 - 75.7 LPM)
	1" (S10T)	5 - 50 GPM (18.9 - 190 LPM)
	1-1/2" (S15T)	10 - 100 GPM (38.0 - 380 LPM)
	2" (S20T)	20 - 200 GPM (76 - 760 LPM)
Accuracy (% of Reading):		**Turbine Only** / **Turbine w/Computer**
	1/2" (S05T)	± 2.0% / ± 1.5%
	3/4" (S07T)	± 1.5% / ± 1.0%
	1" (S10T)	± 1.5% / ± 1.0%
	1-1/2" (S15T)	± 1.0% / ± 0.75%
	2" (S20T)	± 1.0% / ± 0.75%
Repeatability:		± 0.1%
Pressure Rating:		Limited by fitting size, clamp size & temp.
Operating Temperature Range:		-40° F to +250° F (-40° C to +121° C)
with Computer:		0° F to +140° F (-18° C to +60° C)
Typical K-Factor:	**1/2" (S05T)**	2,500 PPG / 660 PPL
	3/4" (S07T)	1,100 PPG / 291 PPL
	1" (S10T)	565 PPG / 149 PPL
	1-1/2" (S15T)	215 PPG / 57 PPL
	2" (S20T)	100 PPG / 26 PPL
Wetted Materials:	**Housing:**	316 Stainless Steel
	Bearings:	96% Alumina Ceramic
	Shaft:	Tungsten Carbide
	Rotor:	PVDF
	Rings:	316 Stainless Steel
Frequency Range:	**1/2" (S05T)**	42 - 420 Hz @ 1 - 10 GPM
	3/4" (S07)	37 - 370 Hz @ 2 - 20 GPM
	1" (S10T)	47 - 470 Hz @ 5 - 50 GPM
	1-1/2" (S15T)	36 - 360 Hz @ 10 - 100 GPM
	2" (S20T)	33 - 330 Hz @ 20 - 200 GPM
Recommended Strainer Size:		
	1/2" (S05T)	60 mesh (250 micron)
	3/4" (S07T)	60 mesh (250 micron)
	1" (S10T)	60 mesh (250 micron)
	1-1/2" (S15T)	30 mesh (595 micron)
	2" (S20T)	30 mesh (595 micron)
Maximum Flow:	**1/2" (S05T)**	15 GPM (56.8 LPM)
	3/4" (S07T)	30 GPM (113.6 LPM)
	1" (S10T)	75 GPM (284 LPM)
	1-1/2" (S15T)	150 GPM (568 LPM)
	2" (S20T)	300 GPM (1,136 LPM)
Shipping Weight:	**1/2" (S05T)**	2.5 lbs./1.0 kg - Turbine Only: 2.3 lbs./1.0 kg
	3/4" (S07T)	2.9 lbs./1.3 kg - Turbine Only: 2.7 lbs./1.2 kg
	1" (S10T)	3.2 lbs./1.4 kg - Turbine Only: 3.0 lbs./1.3 kg
	1-1/2" (S15T)	4.7 lbs./2.1 kg - Turbine Only: 4.5 lbs./2.0 kg
	2" (S20T)	6.5 lbs./2.9 kg - Turbine Only: 6.3 lbs./2.8 kg
Calibration Report		Comes standard with G2 Series meters.
		N.I.S.T. – Certification available.

ELECTRONIC CHOICES

Local Display, Remote Display & Remote Transmitter Options:	See Electronics Section.

APPROVALS

FM APPROVED · FM APPROVED · CE · NEMA 4 · ATEX Ex · **IP65** · **IECEx**



"Look for the blue label!"

A full line of FLOMEC® Industrial Meters are available in a variety of housing materials. Aluminum meters are best suited for petroleum based products. The modular design allows for maximum flexibility in meeting custom applications. Models are available with ISO* or NPT fittings.

* ISO 7 designation is RC

For complete part number, see "Meter Number Reference" for this section.

Select Your Meter Size:

1/2 inch 3/4 inch 1 inch 1-1/2 inch 2 inch

Features and Benefits:

- ✓ Meter is designed for thin fluids < 100 cp.
- ✓ Modular design allows for use with Output Modules, Sensors and Remote Transmitters.
- ✓ 2 Totals (Batch = Resettable, Cumulative = Non-Resettable); Rate of Flow. Factory calibrated in gallons and litres. Field calibratable. Allows user calibration. Includes non-volatile totals.
- ✓ Internal parts are simple to replace for easy maintenance.
- ✓ Lightweight, compact design allows for easy installation.
- ✓ Lithium battery life: 5 years.

ALUMINUM – SPECIFICATIONS

Fitting Type:		NPT or ISO (Female) BSPT*			
Housing Material:		Aluminum			
Meter Sizes Available:		1/2"	3/4"	1"	1-1/2" 2"
Flow Range:	**1/2" (A05)**	1 - 10 GPM	(3.8 - 37.9 LPM)		
	3/4" (A07)	2 - 20 GPM	(7.6 - 75.7 LPM)		
	1" (A10)	5 - 50 GPM	(18.9 - 190 LPM)		
	1-1/2" (A15)	10 - 100 GPM	(38.0 - 380 LPM)		
	2" (A20)	20 - 200 GPM	(76 - 760 LPM)		
Accuracy (% of Reading):		**Turbine Only**		**Turbine w/Computer**	
	1/2" (A05)	± 2.0%		± 1.5%	
	3/4" (A07)	± 1.5%		± 1.0%	
	1" (A10)	± 1.5%		± 1.0%	
	1-1/2" (A15)	± 1.0%		± 0.75%	
	2" (A20)	± 1.0%		± 0.75%	
Repeatability:		± 0.1%			
Pressure Rating:		300 PSI / 21 BAR			
Operating Temperature Range:		-40° F to +250° F (-40° C to +121° C)			
with Computer:		0° F to +140° F (-18° C to +60° C)			
Typical K-Factor:	**1/2" (A05)**	2,500 PPG / 660 PPL			
	3/4" (A07)	1,100 PPG / 291 PPL			
	1" (A10)	565 PPG / 149 PPL			
	1-1/2" (A15)	215 PPG / 57 PPL			
	2" (A20)	100 PPG / 26 PPL			
Wetted Materials:	**Housing:**	Aluminum			
	Bearings:	96% Alumina Ceramic			
	Shaft:	Tungsten Carbide			
	Rotor:	PVDF			
	Rings:	316 Stainless Steel			
Frequency Range:	**1/2" (A05)**	42 - 420 Hz @ 1 - 10 GPM			
	3/4" (A07)	37 - 370 Hz @ 2 - 20 GPM			
	1" (A10)	47 - 470 Hz @ 5 - 50 GPM			
	1-1/2" (A15)	36 - 360 Hz @ 10 - 100 GPM			
	2" (A20)	33 - 330 Hz @ 20 - 200 GPM			
Recommended Strainer Size:					
1/2", 3/4" and 1"		60 mesh (250 micron)			
1-1/2" and 2"		30 mesh (595 micron)			
Maximum Flow:	**1/2" (A05)**	15 GPM (56.8 LPM)			
	3/4" (A07)	30 GPM (113.6 LPM)			
	1" (A10)	75 GPM (284 LPM)			
	1-1/2" (A15)	150 GPM (568 LPM)			
	2" (A20)	300 GPM (1,136 LPM)			
Wrench Flat Size:	**1/2" (A05)**	1-1/16 inch (27 mm)			
	3/4" (A07)	1-5/16 inch (33 mm)			
	1" (A10)	1-5/8 inch (41 mm)			
	1-1/2" (A15)	2-3/8 inch (60 mm)			
	2" (A20)	3 inch (75 mm)			
Shipping Weight:	**1/2" (A05)**	1.3 lbs./.59 kg - Turbine Only: 1.1 lbs./.50 kg			
	3/4" (A07)	1.4 lbs./.63 kg - Turbine Only: 1.2 lbs./.50 kg			
	1" (A10)	1.6 lbs./.73 kg - Turbine Only: 1.4 lbs./.63 kg			
	1-1/2" (A15)	2.8 lbs./1.3 kg - Turbine Only: 2.6 lbs./1.2 kg			
	2" (A20)	3.9 lbs./1.7 kg - Turbine Only: 3.7 lbs./1.7 kg			
Calibration Report		Comes standard with G2 Series meters.			
		N.I.S.T. – Certification available.			

ELECTRONIC CHOICES

Local Display, Remote Display & Remote Transmitter Options:	See Electronics Section.

APPROVALS

FM · FM APPROVED · CE · NEMA 4 · ATEX · **IP65** · **IECEx**

G2 Industrial Meters **BRASS**



"Look for the blue label!"

The G2 Industrial Brass Meter allows another choice for fluid compatibility. The FLOMEC® Brass Meter works well with most water applications. Use with glucose, lacquer thinners and vegetable juices for example.

* ISO 7 designation is RC

For complete part number, see "Meter Number Reference" for this section.

Select Your Meter Size:

1/2 inch 3/4 inch 1 inch 1-1/2 inch 2 inch

Features and Benefits:

- ✓ Meter is designed for thin fluids < 100 cp.
- ✓ Modular design allows for use with Output Modules, Sensors and Remote Transmitters.
- ✓ 2 Totals (Batch = Resettable, Cumulative = Non-Resettable); Rate of Flow. Factory calibrated in gallons and litres. Field calibratable. Allows user calibration. Includes non-volatile totals.
- ✓ Internal parts are simple to replace for easy maintenance.
- ✓ Lithium battery life: 5 years.

BRASS – SPECIFICATIONS

Fitting Type:		NPT or ISO (Female) BSPT*				
Housing Material:		Brass				
Meter Sizes Available:		1/2"	3/4"	1"	1-1/2"	2"
Flow Range:	**1/2" (B05)**	1 - 10 GPM	(3.8 - 37.9 LPM)			
	3/4" (B07)	2 - 20 GPM	(7.6 - 75.7 LPM)			
	1" (B10)	5 - 50 GPM	(18.9 - 190 LPM)			
	1-1/2" (B15)	10 - 100 GPM	(38.0 - 380 LPM)			
	2" (B20)	20 - 200 GPM	(76 - 760 LPM)			
Accuracy (% of Reading):		**Turbine Only**	**Turbine w/Computer**			
	1/2" (B05)	± 2.0%	± 1.5%			
	3/4" (B07)	± 1.5%	± 1.0%			
	1" (B10)	± 1.5%	± 1.0%			
	1-1/2" (B15)	± 1.0%	± 0.75%			
	2" (B20)	± 1.0%	± 0.75%			
Repeatability:		± 0.1%				
Pressure Rating:		300 PSI / 21 BAR				
Operating Temperature Range:		-40° F to +250° F (-40° C to +121° C)				
with Computer:		0° F to +140° F (-18° C to +60° C)				
Typical K-Factor:	**1/2" (B05)**	2,500 PPG / 660 PPL				
	3/4" (B07)	1,100 PPG / 291 PPL				
	1" (B10)	565 PPG / 149 PPL				
	1-1/2" (B15)	215 PPG / 57 PPL				
	2" (B20)	100 PPG / 26 PPL				
Wetted Materials:	**Housing:**	Brass				
	Bearings:	96% Alumina Ceramic				
	Shaft:	Tungsten Carbide				
	Rotor:	PVDF				
	Rings:	316 Stainless Steel				
Frequency Range:	**1/2" (B05)**	42 - 420 Hz @ 1 - 10 GPM				
	3/4" (B07)	37 - 370 Hz @ 2 - 20 GPM				
	1" (B10)	47 - 470 Hz @ 5 - 50 GPM				
	1-1/2" (B15)	36 - 360 Hz @ 10 - 100 GPM				
	2" (B20)	33 - 330 Hz @ 20 - 200 GPM				
Recommended Strainer Size:						
	1/2" (B05)	60 mesh (250 micron)				
	3/4" (B07)	60 mesh (250 micron)				
	1" (B10)	60 mesh (250 micron)				
	1-1/2" (B15)	30 mesh (595 micron)				
	2" (B20)	30 mesh (595 micron)				
Maximum Flow:	**1/2" (B05)**	15 GPM (56.8 LPM)				
	3/4" (B07)	30 GPM (113.6 LPM)				
	1" (B10)	75 GPM (284 LPM)				
	1-1/2" (B15)	150 GPM (568 LPM)				
	2" (B20)	300 GPM (1,136 LPM)				
Wrench Flat Size:	**1/2" (B05)**	1-1/16 inch (27 mm)				
	3/4" (B07)	1-5/16 inch (33 mm)				
	1" (B10)	1-5/8 inch (41 mm)				
	1-1/2" (B15)	2-3/8 inch (60 mm)				
	2" (B20)	3 inch (75 mm)				
Shipping Weight:	**1/2" (B05)**	2.4 lbs./1.0 kg - Turbine Only: 2.2 lbs./1.0 kg				
	3/4" (B07)	2.6 lbs./1.1 kg - Turbine Only: 2.4 lbs./1.0 kg				
	1" (B10)	3.1 lbs./1.4 kg - Turbine Only: 2.9 lbs./1.3 kg				
	1-1/2" (B15)	3.1 lbs./1.4 kg - Turbine Only: 2.9 lbs./1.3 kg				
	2" (B20)	10.0 lbs./4.5 kg - Turbine Only: 9.8 lbs./4.4 kg				
Calibration Report		Comes standard with G2 Series meters.				
		N.I.S.T. – Certification available.				

ELECTRONIC CHOICES

Local Display, Remote Display & Remote Transmitter Options:	See Electronics Section.

APPROVALS

FM · FM APPROVED · CE · NEMA 4 · ATEX · **IP65** · **IECEx**



"Look for the blue label!"

Looking for a turbine meter that can handle aggressive chemicals? Look at the PVDF Meter for a housing material that resists abrasion and has great chemical compatibility.

Use PVDF Meters with harsh chemicals: Bleach, Ferric Chloride, Phenol, Sulfuric Acid or Phosphoric Acid.

For complete part number, see "Meter Number Reference" for this section.

PVDF – SPECIFICATIONS

Fitting Type:		NPT or ISO (Female) BSPT*	
Housing Material:		PVDF	
Meter Sizes Available:		1/2" and 1"	
Flow Range:	**1/2" (P05)**	1.2 - 12 GPM	(4.54 - 45.42 LPM)
	1" (P10)	5 - 50 GPM	(18.9 - 190 LPM)
Accuracy (% of Reading):		**Turbine Only**	**Turbine w/Computer**
	1/2" (P05)	± 2.0%	± 1.5%
	1" (P10)	± 1.5%	± 1.0%
Repeatability:		± 0.3%	
Pressure Rating:		100 PSI / 6.9 BAR	
Operating Temperature Range:		-20° F to +180° F (-28° C to +82° C)	
with Computer:		0° F to +140° F (-18° C to +60° C)	
Maximum Storage Temperature:		-40° F to +250° F (-40° C to +121° C)	
Typical K-Factor:	**1/2" (P05)**	2,400 PPG / 634 PPL	
	1" (P10)	540 PPG / 143 PPL	
Wetted Materials:	**Housing:**	PVDF (15% Carbon Fiber Filled)	
	Bearings:	Ceramic - 98% Alumina	
	Shaft:	Ceramic - 98% Alumina	
	Rotor:	PVDF	
	Rings:	Fluorocarbon	
Optional O-Ring:		PTFE	
Frequency Range:	**1/2" (P05)**	48 - 480 Hz @ 1.2 - 12 GPM	
	1" (P10)	45 - 450 Hz @ 5 - 50 GPM	
Recommended Strainer Size:			
	1/2" (P05)	60 mesh (250 micron)	
	1" (P10)	30 mesh (595 micron)	
Maximum Flow:	**1/2" (P05)**	15 GPM (56.8 LPM)	
	1" (P10)	75 GPM (284 LPM)	
Shipping Weight:	**1/2" (P05)**	1.3 lbs./0.6 kg - Turbine Only: 1.1 lbs./.54 kg	
	1" (P10)	1.9 lbs./0.8 kg - Turbine Only: 1.7 lbs./.77 kg	
Calibration Report		Comes standard with G2 Series meters.	
		N.I.S.T. – Certification available.	

ELECTRONIC CHOICES

Local Display, Remote Display & Remote Transmitter Options:	See Electronics Section.

APPROVALS

FM · FM APPROVED · CE · NEMA 4 · ATEX Ex · **IP65** · **IECEx**

* ISO 7 designation is RC

Select Your Meter Size:

1/2 inch 1 inch

Features and Benefits:

- ✓ Meter is designed for thin fluids < 100 cp.
- ✓ Lithium battery life: 5 years.
- ✓ Available with Local Display or Remote Transmitter.
- ✓ 2 Totals (Batch = Resettable, Cumulative = Non-Resettable); Rate of Flow. Factory calibrated in gallons and litres. Field calibratable. Allows user calibration. Includes non-volatile totals.
- ✓ Accessories easily upgrade meter.
- ✓ One field replaceable internal part making maintenance easy.

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. 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

FM · FM APPROVED · CE · NEMA 4 · ATEX · **IP65**

Standard Remote Kit Assembly

(Part No. 113265-1)



Standard Remote Kit Assembly Installed



The Standard 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 also provides the versatility of panel mounting of the LCD readout up to 300 ft. (90 m) from the turbine housing and sensor.

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:

- ✓ 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:	1.5 k Ohm, 700 mH
Signal Type:	Sine Wave
Voltage:	Peak to Peak 33 mV to 825 mV
Frequency:	11 to 750 Hz
Cable:	10 ft. (3 m), 2-conductor shielded, Belden #1266A or #8451

CE

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.

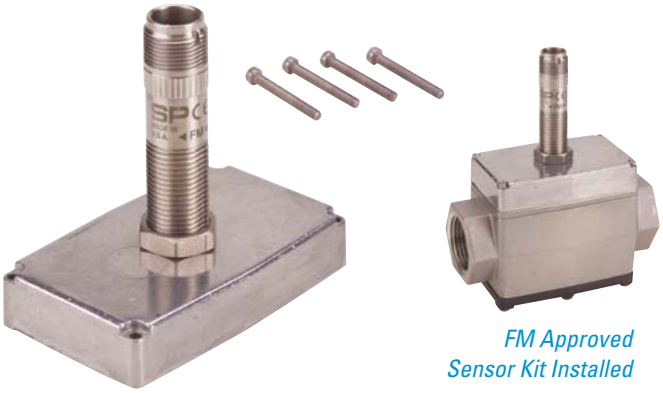
SPECIFICATIONS	
Connector:	Hubble PG7
Signal Type:	Open Collector (NPN)
Power:	External 9 to 35 VDC, approximately 1 mA
Connection:	Three wire
Frequency:	0 to 750 Hz
Cable:	10 ft. (3 m) Belden #9363

APPROVALS

CE

FM Approved Sensor Kit

(Part No. 120077-01)



FM Approved Sensor Kit Installed

The Factory Mutual (FM) 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.

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.

SPECIFICATIONS	
Signal Type:	Open Collector (NPN)
Power Source:	8 to 30 VDC
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). 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

FM APPROVED CE

G2 Industrial METER MODULES

4-20 mA Module

(Part No. 125100-1)



4-20 mA Module Installed

Combine the 4-20 mA Module with an Industrial Grade Turbine and Computer 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. Kit comes with circuit, assembly, enclosure and screws.

Features and Benefits:

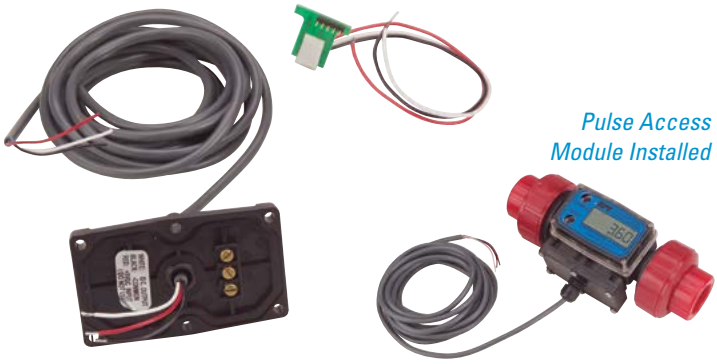
- ✓ Communicates with most analog process control devices.
- ✓ Operating temperature range of +14° F to +140° F (-10° C to +60° C).
- ✓ Module installs on all turbine sizes.
- ✓ Provides external power to computer electronics.

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

CE

Pulse Access Module

(Part No. 125060-1)



Pulse Access Module Installed

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

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

The Pulse Access Module requires both a FLOMEC Turbine and an 09 Computer 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.

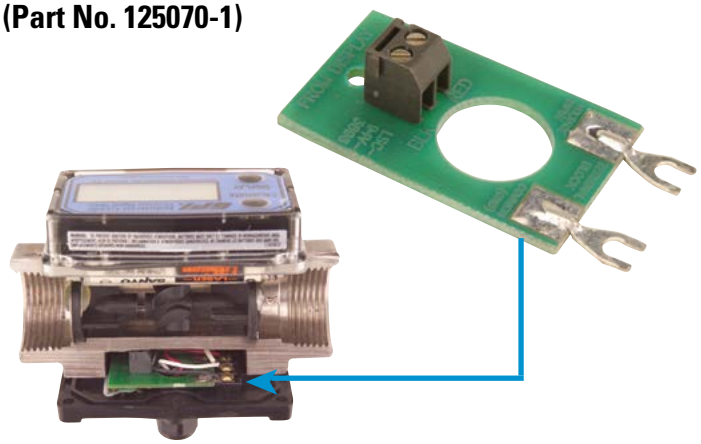
SPECIFICATIONS	
Signal Type:	Open Collector (NPN)
Voltage:	0 to 60 VDC
Frequency:	0 to 750 Hz
Strain Relief:	Hubble PG7
Cable:	10 ft. (3 m) Belden #9363

APPROVALS

CE

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 Computer 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 VDC @ 1 mA

APPROVALS

CE

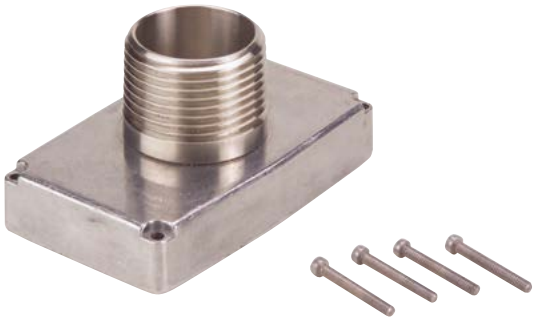
G2 Industrial Meter **ACCESSORIES**

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



510 Conversion Kit
(Part No. 11344001)

This new kit combines the Conduit Adapter with a magnetic pickup to allow easy installation of the 510 Series Displays or Transmitters to a G2 Meter.



510 Conversion Kit Installed

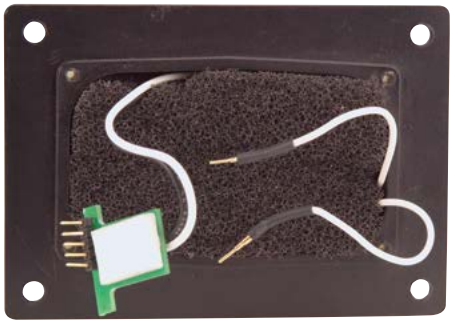


Pulse Access Dust Cover
(Part No. 125080-1)

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





Electronics Programmer
(Part No. 113800-06)

The Electronics Programmer is a system composed of a small USB interface unit, a USB cable, and a software program. This kit is perfect for reconfiguring multiple Electronics for the first time or when changing the configuration over the life of the meter.

Used with your PC, it allows quick, convenient on-screen setting (and reading) of setup options and calibration data from many FLOMEC® Electronic Digital Meters (EDMs).

