

SPI Mag[®] Sensor



ProComm Converter



ProComm GO

The SPI Mag[™] (Single Point Insertion) Electromagnetic Flow Meter is a hot tappable single point insertion flow meter for measuring forward flow. The sensor is available for oneinch or two-inch taps, depending upon line size and application.



The SPI Mag is a cost effective flow meter solution with a purchase price that is independent of line size making the cost to meter a sixty-inch line the same as a twoinch. The SPI Mag's hot tap installation allows for uninterrupted service as it installs without system shut-down, de-watering lines, cutting pipe or welding flanges. Installation costs are reduced by eliminating the need for heavy equipment or extensive manpower. The SPI can be easily re-located to various line sizes.

The compact insertion design fits in confined spaces and offers complete accessibility. The flow meter can be removed in pipes under pressure for easy inspection, cleaning, calibrating or verification. It is particularly costeffective for retrofit applications replacing flow meters or in sites never metered before.

This cost effective flowmeter is available for line sizes from 2 to 96 inches. The flow sensor comes pre-calibrated from McCrometer's NIST traceable Calibration Lab and requires no recalibration in the field. With no moving parts and a single-piece design, the SPI Mag's sensor contains nothing to wear or break, and it is generally immune to clogging by sand, grit or other debris.

The SPI Mag is easily installed without interruption of the flow process. Sensor insertion hardware is utilized to insert the sensor through a ball valve or corporation stop in the flow conduit. Measurements are taken at the nearest pipe wall with negligible pressure drop in the pipe.

The SPI Mag allows profiling of the pipe inside diameter, further enhancing its measurement accuracy by allowing precise determination of mean velocities.

TYPICAL WATER APPLICATIONS

Both 1" and 2" sizes can be used for waste water and clean water.

Wastewater

- Effluent
- Waste Activated Sludge (WAS)
- Return Activated Sludge (RAS)
- Reclaim / Recycle

Clean Water

- Raw Water Intake
- Clear Wells

BENEFITS

- Easy to relocate to various line sizes
- · Ease of hot-tap installation
- Installs without service interruption
- Insertion design for total accessibility
- · Price is independent of line size
- No moving parts
- Does not require recalibration in the field

PROCOMM CONVERTER

- Pre-programmed
- Curve-fitting algorithm to improve accuracy
- 4-20mA (1000 ohm) analog output
- Eight line graphical display
- Six key touch programming
- Rugged enclosure meets IP67





PART NUMBER MATRIX FOR SPI MAG WITH PROCOMM CONVERTER

28 -							_	
Small or Large Body Sensor	—	—	—		—	—		
Small 1" Body Sensor 1								
Large 2" Body Sensor 2								
Meter Type								
Meter (Sensor, Tube, & Converter)								
Sensor Tube Length Options								
12" Tube Length	012							
18" Tube Length	018							
24" Tube Length	024							
30" Tube Length								
36" Tube Length	036							
Non Standard Tube Length	XXX							
Tube Material Op	tions							
S316 Stainless	Steel	S						
PVC P	lastic	Р						
Ball Valv								
Stainless Steel Valve (1" NPT 281, 2" NPT 28			Ν					
No Valve, hardware only (1" NPT 281, 2" NPT 28		_	Х					
Remote Cable L								
25 f	eet (S							
				050				
				075				
				100				
125 feet 125								
150 feet 150								
175 feet 175 200 feet 200								
				200 500				
Conver	tor D							
	ter P			wer	А			
				wer	D			
Co	nverte							
Dual 4-20mA Analog,						1		
Modbus + S		-	•		-	2		
Hart + S					0.	3		
Datalogger + S	-					4		
Datalogger + Modbus + S						5		
Datalogger + Hart + S	TD (T	wo 4	-20,	two	Dig)	6		
AMI Smart Output + S	TD (T	wo 4	-20,	two	Dig)	7*		
Datalogger + AMI Smart Output + S	TD (T	wo 4	-20,	two	Dig)	8*		
Smart Output Protocol Options	(*7 o	r 8 o	utpu	t opt	ion r	equi	red)	
						Out		-
Sensus Protocol (6ft cable, I								SEN
Itron 6 digit Protocol (6ft cable, I								IT6
Itron 9 digit [100W] Protocol (6ft cable, I								IT9
Neptune Protocol (6ft cable, I								NEP
Battery Power/ ATT wireless Telemetry System								ATT
Battery Power/ Verizon wireless Telemetry System	m (RT	U, So	olar F	ane	, 7 P	ın Ca	ble)	VZW





PART NUMBER MATRIX FOR SPI MAG WITH PROCOMM GO CONVERTER

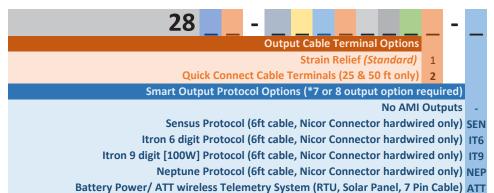
		_				
28 -					_	
	· —		· —	—		—
Small or Large Body Sensor						
Small 1" Body Sensor 1						
Large 2" Body Sensor 2						
Meter Type						
Meter (Sensor, Tube, & Converter)						
Sensor Tube Length Options						
12" Tube Length 012						
18" Tube Length 018						
24" Tube Length 024						
30" Tube Length 030						
36" Tube Length 036						
Non Standard Tube Length XXX						
Non Standard Tube Length XXX						
Tube Material Options						
S316 Stainless Steel S						
PVC Plastic P						
Ball Valve Options						
Stainless Steel Valve (1" NPT 281, 2" NPT 282 Sensor) N						
No Valve, hardware only (1" NPT 281, 2" NPT 282 Sensor) X						
Converter Power Options						
Battery Power (Standard)	В					
Solar Power, Battery Backup	S					
A/C Power, Battery Backup	E					
DC Power, Battery Backup	F					
Converter Output Opt	-					
No Outputs (Stand	-	-				
No Outputs, DC Cable		0				
Two Digital		1				
4-20mA Analog		2				
4-20mA Analog + Two Dig	g Out	3				
AMI Smart Output	only	4				
AMI Smart Output + Two Dig	g Out	5				
AMI Smart Output + 4-20mA An	nalog	6				
AMI Smart Output + 4-20mA Analog + Two Dig	g Out	7				
DC Power/ Analog Out Cable	e Opti	ons				
No DC Power or Outputs (S	tanda	ard) -				
No Cable - Output Configured (Qu						
6 ft (Ope						
25 ft (Ope						
50 ft (0pt						
· · · · · · · · · · · · · · · · · · ·						
Pulse Cable Le			-			
No Output						
No Cable - Output Configured	-					
		n Leads				
25 ft	(Ope	n Leads) 2			
50 ft	(Ope	n Leads) 3			
25 ft (7-Pin Male connector fo	or Tel	emetry) 4			
50 ft (7-Pin Male connector fo	or Tel	emetry) 5			

continued on next page





PART NUMBER MATRIX FOR SPI MAG WITH PROCOMM GO CONVERTER (CONT.)



Battery Power/ Verizon wireless Telemetry System (RTU, Solar Panel, 7 Pin Cable) VZW





PART NUMBER MATRIX FOR STANDALONE SPI MAG

28			-				
Small or Large Body Sensor	—	_					
Small 1" Body Sensor	1						
Large 2" Body Sensor	2						
Meter	Гуре						
Sensor Only (No tube or Conve	rter)	S					
Remote Cabl	e Len	gth O	ptions				
25 feet (Standard)							
50 feet							
75 feet							
100 feet							
125 feet							
150 feet							
175 feet							
		20	0 feet	200			
		50	0 feet	500			





FLOW METER SPECIFICATIONS

Measurement	
	 Volumetric flow in filled flow conduits 2" (50mm) to 96" (2,440 mm) diameter utilizing insertable velocity sensor. 1" meter = 2" to 30" pipe I.D.; 2" meter = 6" to 96" pipe I.D. Flow indication in English Standard or Metric units
Flow Measurement	
Method	Electromagnetic
Accuracy	+/- 2% of measured value ±0.03 ft/s (±0.009 m/s)
Velocity range	+0.3 to +32 ft/s (+0.09 to +10 m/s)
Direction measurement	Has reverse flow indication
Materials	
Sensor	Polyurethane exposed to flow
2" sensor mounting	PVC and Stainless Steel exposed to flow. (Stainless Steel Insertion Tube Optional)
Compression seal	Buna "N" O-Ring seal exposed to flow
Environmental Rang	ges and the second s
Pressure/ temperature limits	 PVC Insertion Tube: Up to 105°F (41°C) at 150 PSI Stainless Steel Insertion Tube: Up to 160°F (71°C) at 250 PSI (McCrometer recommends the use of Stainless Steel)
	Note regarding storage: During freezing conditions and when meter is not in use, sensor must be removed from pipe and stored in dry conditions.
	NOTE: Damage to the sensor caused by allowing the sensor to freeze in the pipe is not covered by the warranty.
Electrical Connectio	ns
	Compression gland seals for 0.125" to 0.375" dia. round cable
Sensor Cable Length	15
Standard	25' McCrometer supplied submersible cable with each remote mount unit.
Optional	Up to 200 feet, or 25 feet max for battery powered.
IP Rating	
	IP68 submersible sensor





FLOW METER SPECIFICATIONS (CONT.)

Insertion Tube

To determine insertion tube length for typical near wall installations, divide the pipe I.D. by 8 and add 18".

For full profiles, add 18" to the pipe I.D.

Tube assemblies include rods and mounting hardware

Tube assemblies include	ious and mounting hardware
1" tube	Stainless steel tube, 12" length. Will profile 4" pipe I.D.
	 Stainless steel tube, 24" length. Will profile 16" pipe I.D.
	Stainless steel tube, 36" length. Will profile 28" pipe I.D.
2" tube	• PVC tube, 18" length. Will profile a 10" pipe I.D.
	 PVC tube, 24" length. Will profile a 16" pipe I.D.
	 PVC tube, 30" length. Will profile a 22" pipe I.D.
	Opt.: stainless steel tube. Specify length - 240" maximum
System Options	
	Stainless Steel ID Tag
	Sensor Insertion Tool
	 Additional Sensor Cable up to 200' (for longer lengths consult factory)
	• Valves
Ordering Requirem	ante
ordering nequirem	
	lease be prepared to provide the following information:
- · ·	
- · ·	lease be prepared to provide the following information:
- · ·	lease be prepared to provide the following information: Model and tap size
- · ·	lease be prepared to provide the following information: Model and tap size Insertion tube length
- · ·	lease be prepared to provide the following information:
- · ·	 lease be prepared to provide the following information: Model and tap size Insertion tube length Pressure Minimum flow
- · ·	 lease be prepared to provide the following information: Model and tap size Insertion tube length Pressure Minimum flow Maximum flow
	lease be prepared to provide the following information: Model and tap size Insertion tube length Pressure Minimum flow Maximum flow Fluid Pipe I.D.
	lease be prepared to provide the following information: Model and tap size Insertion tube length Pressure Minimum flow Maximum flow Typical flow Fluid Pipe I.D. Cable length
	lease be prepared to provide the following information: Model and tap size Insertion tube length Pressure Minimum flow Maximum flow Fluid Pipe I.D.

Indicator and totalizer units





PROCOMM CONVERTER PART NUMBER MATRIX

Converter Mounting Options							
Remote Mount R							
Meter Mount M							
Converter Power Options							
A/C Power A							
DC Power D							
Converter Output Options							
Dual 4-20mA Analog, Dual Digital (Standard) 1							
Modbus + STD (Two 4-20, two Dig) 2							
Hart + STD (Two 4-20, two Dig) 3							
Datalogger/BIV + STD (Two 4-20, two Dig) 4							
Datalogger/BIV + Modbus + STD (Two 4-20, two Dig) 5							
Datalogger/BIV + Hart + STD (Two 4-20, two Dig) 6							
AMI Smart Output + STD (Two 4-20, two Dig) 7*							
Datalogger/BIV + AMI Smart Output + STD (Two 4-20, two Dig) 8*							
Smart Output Protocol Options (*7 or 8 output option required)							
No AMI Outputs							
Sensus Protocol (6ft cable, Nicor Connector hardwired only) SE							
Itron 6 digit Protocol (6ft cable, Nicor Connector hardwired only)							
Itron 9 digit [100W] Protocol (6ft cable, Nicor Connector hardwired only) IT Neptune Protocol (6ft cable, Nicor Connector hardwired only) NE							
ATT Wireless Telemetry System (RTU, Solar Panel, 15 ft 7 pin Cable) AT							
Verizon Wireless Telemetry System (RTU, Solar Panel, 15 ft 7 pin Cable) VZ							





PROCOMM GO CONVERTER PART NUMBER MATRIX

PG -	_	_	_	_	_	_	-	
Converter Mounting Options								
	м							
Remote Mount	R							
Converter Power Opt	tions							
Battery Power (Stand	ard)	В						
Solar Power, Battery Bac	kup	S						
A/C Power, Battery Bac	ckup	Е						
DC Power, Battery Ba	ckup	F						
Converter Out	put O	ptions						
No Outputs	(Stan	dard)	-					
No Outputs, DC	Cable	e Only	0					
Two	Digit	al Out	1					
4-20mA /	Analo	g only	2					
4-20mA Analog + T	wo D	ig Out	3					
AMI Smart C	Dutpu	t Only	4					
AMI Smart Output + T	wo D	ig Out	5					
AMI Smart Output + 4-20)mA A	Analog	6					
AMI Smart Output + 4-20mA Analog + T	wo D	ig Out	7					
DC Power/ Analog	Out C	able O	ptions					
No DC Power or O	utput	ts <mark>(Sta</mark> n	dard)	-				
No Cable - Output Config	gured	(Quick	Conn)	0				
6 ft (Open Le	eads -	Strain	Relief)	1				
	25 ft	(Open	Leads)	2				
	50 ft	(Open	Leads)	3				
Pu	ulse Ca	able Le	ngth O	ptions				
	No	Outpu	ts (Sta	ndard)	-			
No Cable - Output Configured (Str	rain R	elief o	Quick	Conn)	0			
			(Open		1			
			(Open		2			
			(Open		3			
25 ft (7-Pin Male					4			
50 ft (7-Pin Male					5			
	Outp			ninal O				
				ef <i>(Stan</i>	· · · ·	1		
Quick Conne						2		
Smart Output Pro	otoco	orOptio	ons (*4	- 7 outp				
Comment Directory		t ookl-	Nices	Connec		AMI O		-
Sensus Protoc	•							SEN
Itron 6 digit Protoc Itron 9 digit [100W] Protoc								IT6
								IT9
Neptune Protoc								NEP
								ATT VZW
ATT Wireless Telemetry System (RTU, Solar Panel, 15 ft 7 pin Cable) Verizon Wireless Telemetry System (RTU, Solar Panel, 15 ft 7 pin Cable)								





PROCOMM CONVERTER SPECIFICATIONS

Electronic Housing Diecast aluminum, powder coated enclosure w/ tamper resistant seal Remote Mount: Height: 7.3" (18.5 cm) Width: 8.5" (21.6 cm) Depth: 4.3" (10.9 cm) Meter Mount: Height: 6.9" (17.5 cm) Width: 7.2" (18.25 cm) Depth: 6.2" (15.7 cm) Power 100-240 VAC / 45-66 Hz (10 W) DC Power: 12-48 VDC (10 W) Note: AC or DC n be specified at ti of ordering. Connection Options • Compression gland seals for 0.24" to 0.47" diameter round cable • Conduit option: 1/2" NPT threaded connections Galvanic Isolation Conductivity All inputs / outputs are galvanically isolated from power supply up to 500 V Minimum conductivity of 5µS/cm Minimum conductivity of 5µS/cm
Converter DimensionsWidth: 8.5" (21.6 cm) Depth: 4.3" (10.9 cm) Width: 7.2" (18.25 cm) Depth: 6.2" (15.7 cm)PowerAC Power: DC Power:100-240 VAC / 45-66 Hz (10 W)Note: AC or DC n be specified at ti of ordering.Connection Options Galvanic Isolation Conductivity• Compression gland seals for 0.24" to 0.47" diameter round cable • Connection S• Compression gland seals for 0.24" to 0.47" diameter round cable • Conduit option: 1/2" NPT threaded connections• UAll inputs / outputs are galvanically isolated from power supply up to 500 VMinimum conductivity of 5µS/cm
Converter DimensionsDepth: 4.3" (10.9 cm) Height: 6.9" (17.5 cm) Width: 7.2" (18.25 cm) Depth: 6.2" (15.7 cm)PowerAC Power:100-240 VAC / 45-66 Hz (10 W)Note: AC or DC n be specified at the of ordering.PowerDC Power:12-48 VDC (10 W)Note: AC or DC n be specified at the of ordering.Connection Options Galvanic Isolation ConductivityAll inputs / outputs are galvanically isolated from power supply up to 500 VMinimum conductivity of 5µS/cmMinimum conductivity of 5µS/cm
DimensionsMeter Mount:Height: 6.9" (17.5 cm) Width: 7.2" (18.25 cm) Depth: 6.2" (15.7 cm)PowerAC Power:100-240 VAC / 45-66 Hz (10 W)Note: AC or DC n be specified at til of ordering.PowerDC Power:12-48 VDC (10 W)Note: AC or DC n be specified at til of ordering.Connection OptionsOcmpression gland seals for 0.24" to 0.47" diameter round cable . Conduit option: 1/2" NPT threaded connectionsAll inputs / outputs are galvanically isolated from power supply up to 500 VMinimum conductivity of 5µS/cmMinimum conductivity of 5µS/cmImage: Conduct option in the super conduct option is the super conduct option in the super conduct option is the super conduct option in the super conduct option is the super conduct option in the super conduct option is the super conduct option in the super conduct option is the super co
Width: 7.2" (18.25 cm) Depth: 6.2" (15.7 cm) AC Power: 100-240 VAC / 45-66 Hz (10 W) Note: AC or DC m be specified at til of ordering. DC Power: 12-48 VDC (10 W) • Compression gland seals for 0.24" to 0.47" diameter round cable • Conduit option: 1/2" NPT threaded connections Galvanic Isolation Conductivity All inputs / outputs are galvanically isolated from power supply up to 500 V
Power Depth: 6.2" (15.7 cm) AC Power: 100-240 VAC / 45-66 Hz (10 W) Note: AC or DC m be specified at til DC Power: 12-48 VDC (10 W) • Compression gland seals for 0.24" to 0.47" diameter round cable • Conduit option: 1/2" NPT threaded connections All inputs / outputs are galvanically isolated from power supply up to 50 V Minimum conductivity of 5µS/cm
AC Power: 100-240 VAC / 45-66 Hz (10 W) Note: AC or DC m Power DC Power: 12-48 VDC (10 W) be specified at till of ordering. Connection Options • Compression gland seals for 0.24" to 0.47" diameter round cable • Conduit option: 1/2" NPT threaded connections Galvanic Isolation All inputs / outputs are galvanically isolated from power supply up to 500 V Minimum conductivity of 5µS/cm
Power DC Power: 12-48 VDC (10 W) be specified at the of ordering. Connection Options • Compression gland seals for 0.24" to 0.47" diameter round cable • Conduit option: 1/2" NPT threaded connections Galvanic Isolation All inputs / outputs are galvanically isolated from power supply up to 500 V Minimum conductivity of 5µS/cm
Connection Options • Conduit option: 1/2" NPT threaded connections Galvanic Isolation All inputs / outputs are galvanically isolated from power supply up to 500 V Conductivity Minimum conductivity of 5µS/cm
Conductivity Minimum conductivity of 5µS/cm
Performance and Operational Specifications
r chomanee and operational operations
 + ±0.5% from 1 f/s to max velocity, up to ±1% for 0.3 to 1 f/s + ±1% for reverse flow
Location Indoor or outdoor use
Operating and Storage Temperature -4° to 140° F (-20° to 60° C)
IP Rating IP67 Die cast aluminum converter (only when connected using compression gland seals)
Standard OutputsDual 4-20mA Outputs: Galvanically isolated and fully programmable for zero and full s (0-21mA rangeability)Two separate digital programmable outputs: open collector transistor usable for put frequency, or alarm settings.
Volumetric Pulse
Flow Rate (Frequency) Maximum switching frequency: 1250 Hz
Hardware Alarm voltage: 40 VDC Insulation from other
High/Low Flow Alarms Aaximum switching secondary circuits: 500V
Empty Pipe current: 100mA
Directional Indication
Optional Outputs• Modbus • HART• Smart Output [™] (Sensus, Itron 6, Itron 9)• Datalogger • Built-in verification
Display and Measurement
Keyboard and DisplayCan be used to access and change set-up parameters using six membrane keys and an LC display
Cubic Meter US Gallons Imperial Kilogallon Cubic Centimeter Imperial Gallons Acre Feet
Milliliter Cubic Feet Megagallon
Engineering Units • Liter • Kilo Cubic Feet • Imperial Megagallon • Standard Barrel • Hundred Cubic Feet • Hundred Cubic Fee
Cubic Decimeter Standard Barrel Hundred Cubic Feet Decaliter Oil Barrel Megaliters
Hectoliter US Kilogallon
Cubic Inches Ten Thousands of Gallons





PROCOMM CONVERTER SPECIFICATIONS (CONT.)

Certifications and A	pprovals
	 ISO 9001:2015 certified quality management system CE Certified by MET to UL 61010-1
	Note: These certifications apply to the ProComm converter only. See the meter's specifications for its certifications.
System Options	
	 DC power Additional sensor cable up to 475'/144.75 m Extension to hardware clearance Annual verification / calibration Stainless steel ID tag
Temperature Range	
Operating and storage	-4° to 140° F (-20° to 60° C)
Converter Dimensio	ons
	 Height: 6.9" (17.5 cm) Width: 7.2" (18.25 cm) Depth: 6.2" (15.7 cm)
Keypad and Display	,
	Can be used to access and change set-up parameters using six membrane keys and an LCD display

Note regarding cable length: McCrometer recommends minimizing cable length. Electromagnetic flow meters may have unfavorable signal strength to noise ratio in electrically noisy environments. Longer lengths of cable increase the likelihood of interference. In those cases where the meter's signal must be transmitted a long distance, or where the environment may be particularly noisy, we suggest using the converter's analog output(s). That allows locating the converter as close as possible to the metering location.





PROCOMM GO CONVERTER SPECIFICATIONS

Physical Specification	ons							
Electronic Housing		vder coated en	closure w/ tamper res	sistant s	eal, 6½″ x 6½″ x 43/8″ tall			
Converter Dimensions	See "Dimensions" secti	See "Dimensions" section for meter mount and remote mount converter dimensions.						
	Battery:	attery: Standard: three 3.6V lithium-thionyl chloride (Li-SOCI2) D size batteries with two AA backup batteries						
Power	AC Power: DC Power:	100-240VAC/4	•					
Electrical Connections	 Optional shielded cable for 10-32VDC/4-20 mA output Optional shielded cable for pulse out 							
Performance and O	perational Specifica	tions						
Battery Life	Five-year expected bat	tery life, five-ye	ear battery warranty					
Location	Indoor or outdoor use							
Altitude	Operating: 2000 meters Storage: 12,000 meters							
Operating Temperature	-4° to 140° F (-20° to 60	° C)						
Storage Temperature	-4° to 140° F (-20° to 60° C)							
Relative Humidity	0% to 100%							
IP Rating	IP67 Die cast aluminum converter							
	Digital output:		• • •		lumetric or) outputs for volumetric			
Outputs	Analog output:4-20mA: Galvanically Isolated, 16 Bit resolution. All power configurations (including battery).							
	Note: 9-30 VDC loop po	ower required (not supplied via conv	erter)				
Display and Measur	ement							
Display	 2-Line LCD display (no backlight) Non-volatile memory Anti-reverse totalizer (standard) Total (to 9 digits of precision) Flow rate and velocity (to 5 digits of precision) Two alarms: low battery and empty pipe (optional) Opening lid activates display 							
Digits	5 Rate, 9 Total							
Units	GPM Gallons per minut MGD Mega gal per day CFS Cubic feet per seco MLD Megaliters per day LPS Liters per second CMH Cubic meters per l LPM Liters per minute GPH Gallons per hour	MI9 Mi ond MI1 Mi APD Ac KLH Kil nour LPH Lit CMM Cu	perial gal per minute ners inch (9G) ners inch (11.22G) re feet per day oliters per hour ers per hour bic meters per minute bic feet per minute	CFM B5M B5H B5D B4M B4H B4D	Cubic feet per minute Barrels per minute (55G) Barrels per hour (55G) Barrels per day (55G) Barrels per minute (42G) Barrels per hour (42G) Barrels per day (42G)			





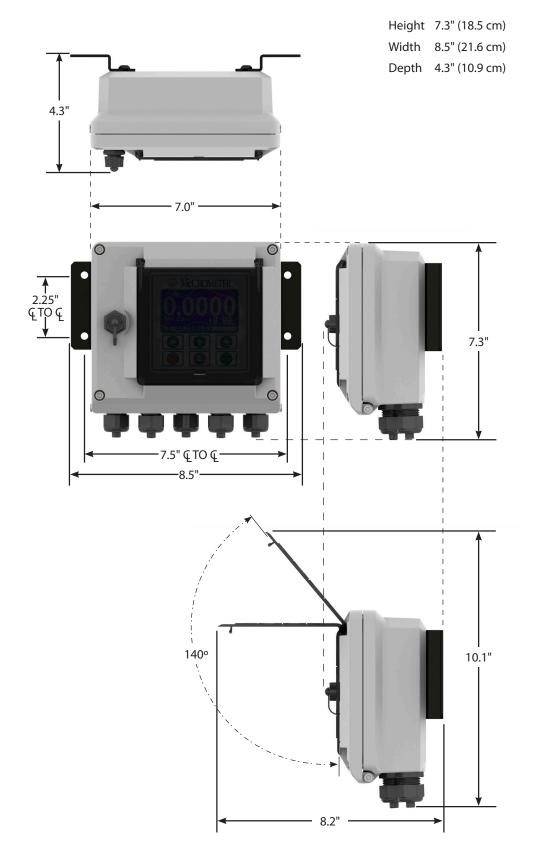
PROCOMM GO CONVERTER SPECIFICATIONS (CONT.)

Totalizer Units	GAL CUF AFT CUM LIT MML MTT B31	Gallons Cubic Feet Acre Feet Cubic Meters Liters Megaliter Metric Ton (KL) Barrel (31G)	B42 B46 B55 IMG AIN TON MM1 MM9	Barrel (42G) Barrel (46G) Barrel (55G) Imperial Gallon Acre Inch Ton (Short) Miners Inch Minute (11.22G) Miners Inch Minute (9G)	MH1 MD1 MH9 MD9 KGL MGL IN3	Miners Inch Hour (11.22G) Miners Inch Day (11.22G) Miners Inch Hour (9G) Miners Inch Day (9G) Kilo Gallons Mega Gallons Cubic Inch		
Data Logger	Stanc	lard with all models, m	inimu	m of five years of data stored				
Other Specifications								
Options and Accessories	Interval (Cable sold separately)							
Safety		61010-1, Pollution De ervoltage protection C	5	y III				
Certifications								
Standard Model		9001:2015 certified qu tified by MET to UL 610				NEF/ANGLYCAN 61 NEF/ANGLYCAN 61 NEF/ANGLYCAN 61 NEF/ANGLYCAN 61		





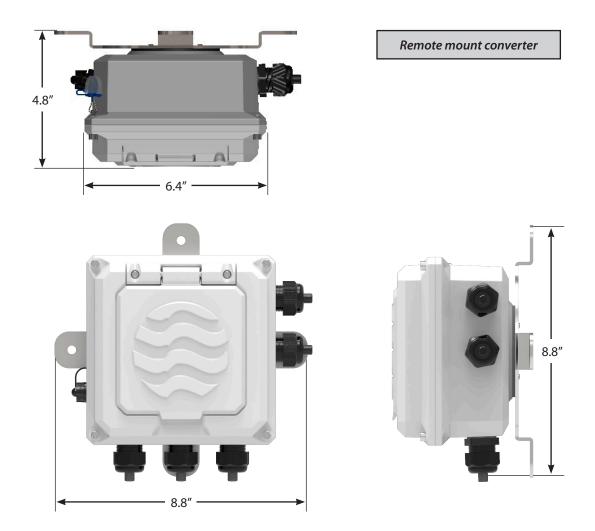
PROCOMM CONVERTER DIMENSIONS







PROCOMM GO CONVERTER DIMENSIONS



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