

Ultra Mag flow meters are manufactured to the highest standard available for mag meters.

The flanged end tube design permits use in a wide range of applications with up to 300 PSI working pressure.

The fabricated tube is stainless steel with steel or stainless steel flanges and is lined with UltraLiner™, an NSF approved, fusion bonded epoxy material.

Performance Advantages

- Flanged models need only 1 pipe diameter upstream of most flow disturbers
- No obstruction to the flow
- No moving parts to wear or break
- Maintenance free
- Choice of Accuracy +/- 0.2% OR +/- 0.5%
- Debris or solids will not clog the meter
- No head loss
- Bi-directional flow
- Empty pipe detection
- Unaffected by changes in density and viscosity
- No risk of liner delamination or separation
- Wide flow range
- Separated power and signal cables

Installation

Ultra Mag flow meter installation is similar to placing a short length of flanged end pipe in the line. The meter can be installed vertically, horizontally, or inclined on suction or discharge lines. The meter must have a full pipe of liquid for proper operation. Fluid must be grounded to the downstream flange of the sensor either via internal grounding electrodes (2 - 12") or using McCrometer 316 SS

AVAILABLE ULTRA MAG END CONNECTIONS

Nominal Line Size	AWWA CL D	AWWA CL F	ANSI 150#	ANSI 300#	Wafer
1.5 in			x		
2 in			x	x	x
2.5 in			x		
3 in			x	x	x
4 in	x		x	x	
6 in	x		x	x	
8 in	x		x	x	
10 in	x		x	x	
12 in	x		x	x	
14 in	x	x	x	x	
16 in	x	x	x	x	
18 in	x	x	x	x	
20 in	x	x	x	x	
24 in	x	x	x	x	
30 in	x	x	x	x	
36 in	x	x	x	x	
42 in	x		x		
48 in	x		x		

TYPICAL APPLICATIONS

Industrial

- Raw Water
- Chilled Water
- Cooling Water
- Process Control
- Effluent Wastewater

Clean Water

- Well Water
- Potable Water
- Pump Stations
- Rate-of-Flow Control
- Raw Water Transmission

Wastewater

- Influent
- Effluent
- Reclaimed
- Lift Stations
- Waste Activated Sludge
- Return Activated Sludge

grounding rings. For best performance, grounding rings are recommended for all sizes.

The meter needs to be located a minimum distance before and after flow disturbances, such as elbows, pumps, partially opened valves, and changes in pipe diameter. The uneven flow created by these obstructions can vary with each system.



The minimum distance is measured in pipe diameters (D). To ensure accuracy locate the sensor upstream and downstream of flow disturbances as follows:

1½" to 3" Flanged style meters	0D upstream / 0D downstream
2" and 3" Wafer style meters	3D upstream / 1D downstream
4" to 48" Steel flanged meters	2D upstream / 1D downstream

All blending and chemical injection should be done early enough so the flow media is thoroughly mixed prior to entering the measurement area.

ProComm Converter

The signal converter is the reporting, input and output control device for the sensor. The converter allows the measurements, functional programming, control of the sensor and data recording to be communicated through the display and inputs/outputs.

The microprocessor-based signal converter has a curve-fitting algorithm to improve accuracy, dual 4-20mA analog outputs, an optional RS485 communication port, an 8 line graphical backlit LCD display with 6-key touch programming, and a rugged enclosure that meets IP67.

In addition to a menu-driven self-diagnostic test mode, the converter continually monitors the microprocessor's functionality. The converter will output rate of flow and total volume. The converter also comes standard with password protection and many more features.

Isolated Power and Signal

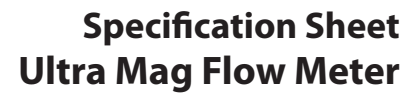
The power and signal between the converter and sensor are isolated and placed in separate cables giving superior resistance to electrical signal noise compared to single cable designs. An added benefit from the dual cable design is a maximum cable length of up to 500ft.



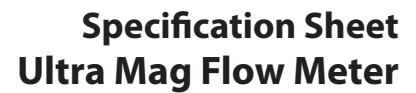
Ultra Mag with ProComm GO Converter Part Number Matrix

UM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Line Size																
1.5 in	0C															
2 in	02															
2.5 in	0D															
3 in	03															
4 in	04															
6 in	06															
8 in	08															
10 in	10															
12 in	12															
14 in	14															
16 in	16															
18 in	18															
20 in	20															
24 in	24															
30 in	30															
36 in	36															
42 in	42															
48 in	48															
Flange Connections																
AWWA Class D (150 psi Rating) (Standard)		1														
ANSI Class 150# (285 psi Rating)		2														
ANSI Class 300# (300 psi Rating)		3														
AWWA Class F (300 psi Rating)		4														
Wafer Style (2 & 3" Only)		N														
Electrode Material Options																
S316 Stainless Steel (Standard)		S														
Hastelloy		H														
Converter Mounting and Cable Connector Options																
Meter Mount Converter (Standard)		M														
Strain Relief [25 ft Remote Mount]		R														
Quick Connect [25 ft Remote Mount]		Q														
Strain Relief [25 ft Remote Mount] (Potted)		P														
Quick Connect [25 ft Remote Mount] (Potted)		C														
Converter Power Options																
Battery Power (Standard)		B														
Solar Power, Battery Backup		S														
A/C Power, Battery Backup		E														
DC Power, Battery Backup		F														

continued on next page



[illegible]





ULTRA MAG FLOW METER SPECIFICATIONS

Physical Specifications

Directionality	Single direction
Pipe Sizes	1.5" 2", 2.5" 3", 4", 6", 8", 10", 12", 14", 16", 18", 20", 24", 30", 36", 42", 48"
Body Style	Unflanged and flanged tube.
Electrical Connections	<ul style="list-style-type: none">• Compression gland seals• Quick-Connect
Electrodes	Type 316 stainless steel, others optional
Liner	UltraLiner NSF approved, fusion bonded epoxy
Sensor Cable Lengths	Standard: 25'/7.6 m McCrometer supplied submersible cable with each remote mount unit. Optional: Up to 500'/152.4 m, or 25'/7.6 m max for battery powered. Quick connect: Available in standard cable lengths: Feet: 25, 50, 75, 100, 125, 150, 175, 200, 500 Meters: 7.6, 15.25, 22.5, 30.5, 38.1, 45.75, 53.3, 61, 152.4 Custom cable lengths at additional cost.
Head Loss	None. No obstruction in line and no moving parts

Performance and Operational Specifications

Operating Temperature	-10 to 60°C (14 to 140°F)
Storage Temperature	-15 to 60°C (5 to 140° F)
Pressure Range	AWWA Class D (150 psi Rating) (Standard) AWWA Class F (300 psi Rating) ANSI Class 150# (285 psi Rating) ANSI Class 300# (300 psi Rating)
Accuracy	<ul style="list-style-type: none">• Standard: +/- 0.5% of measured value ± 0.006 ft/s (± 0.0018 m/s)• Optional: +/- 0.2% of measured value ± 0.006 ft/s (± 0.0018 m/s)• Battery powered: 1% of measured value ± 0.006 ft/s (± 0.0018 m/s) IMPORTANT NOTICE ON FLOW METER ACCURACY: The flow meter, the cable and the electronics are factory calibrated for accuracy as a single unit. Changing the cable length with the Splice Kit changes the accuracy of the meter and invalidates the calibration certificate.
Accuracy Tests	Multiple point wet flow calibration of every complete flow tube with its signal converter. If desired, the tests can be witnessed by the customer. The McCrometer test facilities are traceable to the National Institute of Standards & Technology. Uncertainty relative to flow is $\pm 0.15\%$.
Pipe Run Requirements	1½" to 3" Flanged style meters: 0D upstream / 0D downstream 2" and 3" Wafer style meters: 3D upstream / 1D downstream 4" to 48" Steel flanged meters: 2D upstream / 1D downstream
Reliability	$\pm 0.05\%$ or ± 0.0008 ft/s (± 0.25 mm/s), whichever is greater
Conductivity	5 μ s/cm
Velocity Range	.2 to 32 FPS
IP Rating	Standard Model: Quick Connect (NEMA 6P/IP68 with remote converter) Compression gland seals (NEMA 6P/IP68 with remote converter) HL Model: Quick Connect (IP67) Compression gland seals (IP67)
Sensor Submersibility Depth	With standard strain relief cable: 9 m (30 ft.) With optional quick connect cable: 1.8 m (6 ft.)

ULTRA MAG FLOW METER SPECIFICATIONS (CONT.)

Certifications and Approvals

Standard Model

- ISO 9001:2015 certified quality management system
- Certified by MET to UL 61010-1 / CSA C22.2 No. 61010-1
- Certified to NSF / ANSI Standards*

HL Model

- ISO 9001:2015 certified quality management system
- Certified by MET: Safety: UL61010-1 / CSA C22.2 No. 61010-1, Third Edition: Safety of Electrical Equipment For Measurement, Control, and Laboratory Use
- Certified by MET: Standards: ANSI / ISA12.12.01 / CSA C22.2 No. 213, Nonincendive Electrical Equipment
 - Class I and II, Division 2
 - Class III, Divisions 1 and 2 Hazardous (Classified) Locations
- Certified to NSF / ANSI Standards*



* Ultra Mag is certified by IAPMO R&T to NSF/ANSI 61 for material safety and NSF/ANSI 372 for low lead content.

Other Specifications

Options and Accessories

- Hastelloy® electrodes
- Additional sensor cable up to 475'
- Annual verification / calibration
- Stainless steel ID tag
- Battery or battery-solar powered converter
- DC powered converter (10-35 VDC, 21 W)
- Meter mounted converter
- Extended warranty
- ANSI or DIN flanges
- Special lay lengths, including ISO standard lay lengths
- Quick Connect cable fittings
- HART® Converter
- Smart Output™ (Sensus or Itron compatible)

Warranty

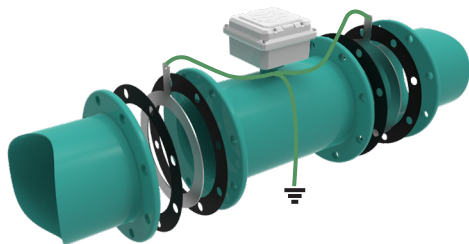
Meter: 2 year warranty
Liner: Lifetime guarantee

METER GROUNDING RECOMMENDATIONS

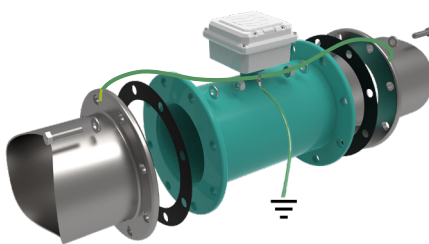
Ultra Mag meters come standard with a set of grounding rings for use with the preferred method of grounding Ultra Mag meters.

Grounding the meter body for safety according to national (NEC) or local electrical codes is recommended on ALL meter installations. Ultra Mag meters come standard with a set of grounding rings for use with the preferred method of grounding Ultra Mag meters.

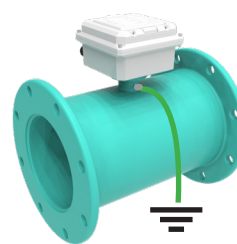
See the Ultra Mag IOM Manual, Lit. # 30119-03, for more information on grounding configurations using grounding rods and grounding rings.



Preferred method of grounding



Sensor grounding for meters in an electrically noisy environment



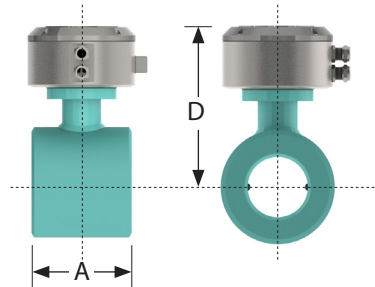
Sensor grounding for meters with minimal ground noise

DIMENSIONS AND WEIGHTS

Wafer Mag Models

Pipe Size (Nominal)	Flow Ranges (0.2 to 32 FPS) Min-Max GPM	DIMENSIONS (Lay Lengths)		Est. Shipping Weight (lbs.)*
		A	B	
2"	1.29-200	4.5	6.5	9.6
3"	3.25-510	4.5	7.0	11.3

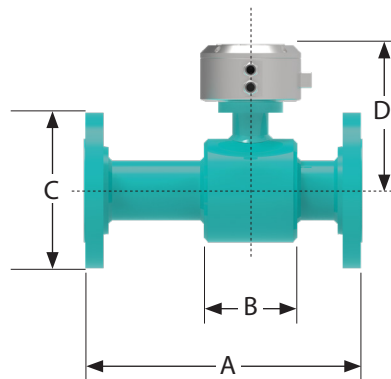
* For remote mount meters, add 4 lbs for ProComm converter.



1½" to 3" Models

Pipe Size (Nominal)	Flow Ranges (0.2 to 32 FPS) Min-Max GPM	DIMENSIONS (Lay Lengths)							Est. Shipping Weight (lbs.)*	
		A		B	C		D		CL150 ANSI 150#	CL300 ANSI 300#
		CL150 ANSI 150#	CL300 ANSI 300#		CL150 ANSI 150#	CL300 ANSI 300#	CL150 ANSI 150#	CL300 ANSI 300#		
1 ½"	1.29-200	11	not offered	4.5	5.0	not offered	6.5	not offered	45	not offered
2"	1.29-200	11	14	4.5	6.0	6.5	6.5	7.25	45	70
2 ½"	3.25-510	13.4	not offered	4.5	7.0	not offered	7.0	not offered	50	not offered
3"	3.25-510	13.4	15.5	4.5	7.5	8.25	7.0	7.75	55	80

* For remote mount meters, add 4 lbs for ProComm converter.

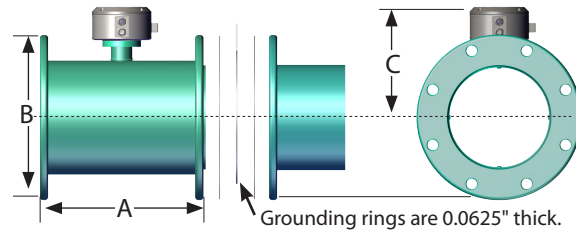


DIMENSIONS AND WEIGHTS (CONT.)

4" to 12" Models Body Style

Pipe Size (Nominal)	Flow Ranges (0.2 to 32 FPS) Min-Max GPM	DIMENSIONS (Lay Lengths)									Est. Shipping Weight (lbs.)*		
		A			B			C					
		AWWA		ANSI	AWWA		ANSI	AWWA		ANSI	AWWA		ANSI
		150# Class D	150# CL150	300# CL300	150# Class D	150# CL150	300# CL300	150# Class D	150# CL150	300# CL300	150# Class D	150# CL150	300# CL300
4"	6.97-1110	13.4	13.4	13.4	9.0	9.0	10.0	9.25	9.25	9.25	70	108	108
6"	16.1-2560	14.6	14.6	14.6	11.0	11.0	12.5	10.25	10.25	10.25	80	138	138
8"	29.2-4670	16.1	17.25	17.25	13.5	13.5	15.0	11.25	11.25	11.25	115	195	195
10"	46.3-7400	18.5	18.5	18.5	16.0	16.0	17.5	12.5	12.5	12.5	140	247	247
12"	67.3-10760	19.7	19.7	19.7	19.0	19.0	20.5	13.5	13.5	13.5	190	342	342

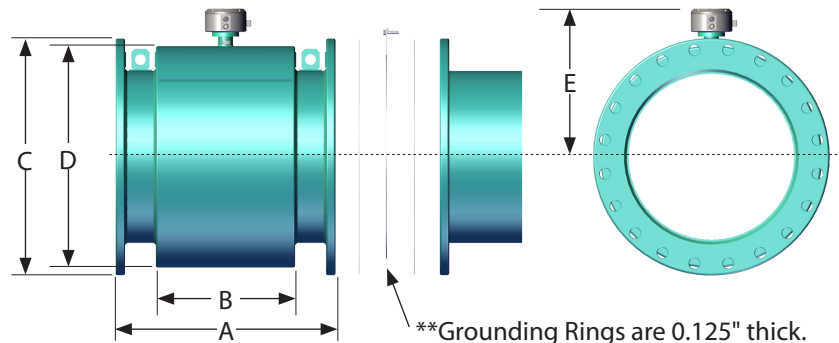
*Shipping weights are estimated and may change due to specific order packaging



14+ " Models Body Style

Pipe Size (nom.)	Flow Ranges (0.2 to 32 FPS) Min-Max GPM	DIMENSIONS											Est. Shipping Weight (lbs.)*			
		A				B	C				D	E				
		AWWA		ANSI			AWWA		ANSI				AWWA		ANSI	
		150# Class D	300# Class F	150# CL150	300# CL300		150# Class D	300# Class F	150# CL150	300# CL300			150# Class D	300# Class F	150# CL150	300# CL300
14"	90.1-14410	21.70	22.75	22.75	22.75	11.875	21.00	23.00	21.00	23.00	20.135	14.56	Contact factory			
16"	117-18670	23.60	25.25	25.25	25.25	14.25	23.50	25.50	23.50	25.50	21.635	15.32				
18"	149-23820	23.60	25.25	25.25	25.25	14.25	25.00	28.00	25.00	28.00	23.635	16.32				
20"	186-29600	25.60	28.25	28.25	28.25	16.06	27.50	30.50	27.50	30.50	25.6975	17.35				
24"	269-43040	30.70	35.75	35.75	35.75	21.75	32.00	36.00	32.00	36.00	29.51	19.25				
30"	418-66740	35.80	41.75	41.75	41.75	25.25	38.75	43.00	38.75	43.00	35.6975	22.35				
36"	607-97000	46.10	46.10	46.10	46.10	28.63	46.00	50.00	46.00	50.00	42.76	25.88				
42"	831-132900	48.05	not offered	48.05	not offered	36.25	52.75	not offered	52.75	not offered	48.135	28.57	not offered			
48"	1091-174440	50.00		50.00		36.25	59.50		59.50		54.135	31.57				

*Shipping weights are estimated and may change due to specific order packaging



PROCOMM GO CONVERTER PART NUMBER MATRIX

PG	-							-		-	
Converter Mounting Options											
Meter Mount Converter (Standard)	M										
Remote Mount	R										
Converter Power Options											
Battery Power (Standard)	B										
Solar Power, Battery Backup	S										
A/C Power, Battery Backup	E										
DC Power, Battery Backup	F										
Converter Output Options											
No Outputs (Standard)	-										
No Outputs, DC Cable Only	0										
Two Digital Out	1										
4-20mA Analog only	2										
4-20mA Analog + Two Dig Out	3										
AMI Smart Output Only	4										
AMI Smart Output + Two Dig Out	5										
AMI Smart Output + 4-20mA Analog	6										
AMI Smart Output + 4-20mA Analog + Two Dig Out	7										
DC Power/ Analog Out Cable Options											
No DC Power or Outputs (Standard)	-										
No Cable - Output Configured (Quick Conn)	0										
6 ft (Open Leads - Strain Relief)	1										
25 ft (Open Leads)	2										
50 ft (Open Leads)	3										
Pulse Cable Length Options											
No Outputs (Standard)	-										
No Cable - Output Configured (Strain Relief or Quick Conn)	0										
6 ft (Open Leads)	1										
25 ft (Open Leads)	2										
50 ft (Open Leads)	3										
25 ft (7-Pin Male connector for Telemetry)	4										
50 ft (7-Pin Male connector for Telemetry)	5										
Output Cable Terminal Options											
Strain Relief (Standard)	1										
Quick Connect (25 & 50 ft Cable length only)	2										
Smart Output Protocol Options (*4 - 7 output option required)											
No AMI Outputs	-										
Sensus Protocol (6ft cable, Nicor Connector hardwired only)	SEN										
Itron 6 digit Protocol (6ft cable, Nicor Connector hardwired only)	IT6										
Itron 9 digit [100W] Protocol (6ft cable, Nicor Connector hardwired only)	IT9										
Neptune Protocol (6ft cable, Nicor Connector hardwired only)	NEP										
ATT Wireless Telemetry System (RTU, Solar Panel, 15 ft 7 pin Cable)	ATT										
Verizon Wireless Telemetry System (RTU, Solar Panel, 15 ft 7 pin Cable)	VZW										
Hazardous Area Location											
Class 1, Division 2, Groups A-D, T5	HL										



PROCOMM CONVERTER PART NUMBER MATRIX

PC	-	-	-	-	-	-
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)					SEN	
Itron 6 digit Protocol (6ft cable, Nicor Connector hardwired only)					IT6	
Itron 9 digit [100W] Protocol (6ft cable, Nicor Connector hardwired only)					IT9	
Neptune Protocol (6ft cable, Nicor Connector hardwired only)					NEP	
ATT Wireless Telemetry System (RTU, Solar Panel, 15 ft 7 pin Cable)					ATT	
Verizon Wireless Telemetry System (RTU, Solar Panel, 15 ft 7 pin Cable)					VZW	
Hazardous Area Location						
Class 1, Division 2, Groups A-D, T5						HL

PROCOMM CONVERTER SPECIFICATIONS

Physical 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)		
Converter Dimensions	AC Power: 100-240 VAC / 45-66 Hz (10 W)		Note: AC or DC must be specified at time of ordering.
	DC Power: 12-48 VDC (10 W)		
Power	• Compression gland seals for 0.24" to 0.47" diameter round cable		
	• Conduit option: 1/2" NPT threaded connections		
Connection Options	All inputs / outputs are galvanically isolated from power supply up to 500 V		
Galvanic Isolation	Minimum conductivity of 5µS/cm		
Conductivity			

Performance and Operational Specifications

Accuracy	<ul style="list-style-type: none"> • ±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 Outputs	Dual 4-20mA Outputs: Galvanically isolated and fully programmable for zero and full scale (0-21mA rangeability)	
	Two separate digital programmable outputs: open collector transistor usable for pulse, frequency, or alarm settings.	
Optional Outputs	<ul style="list-style-type: none"> • Volumetric Pulse • Flow Rate (Frequency) • Hardware Alarm • High/Low Flow Alarms • Empty Pipe • Directional Indication 	<ul style="list-style-type: none"> • Range Indication • Maximum switching voltage: 40 VDC • Maximum switching current: 100mA
	<ul style="list-style-type: none"> • Modbus • HART 	<ul style="list-style-type: none"> • Smart Output™ (Sensus, Itron 6, Itron 9) • Datalogger • Built-in verification

Display and Measurement

Keyboard and Display	Can be used to access and change set-up parameters using six membrane keys and an LCD display	
Engineering Units	<ul style="list-style-type: none"> • Cubic Meter • Cubic Centimeter • Milliliter • Liter • Cubic Decimeter • Decaliter • Hectoliter • Cubic Inches • US Gallons • Imperial Gallons • Cubic Feet • Kilo Cubic Feet • Standard Barrel • Oil Barrel • US Kilogallon • Ten Thousands of Gallons • Imperial Kilogallon • Acre Feet • Megagallon • Imperial Megagallon • Hundred Cubic Feet • Megaliters 	

PROCOMM CONVERTER SPECIFICATIONS (CONT.)

Other Specifications

Standard Model

- ISO 9001:2015 certified quality management system
- Certified by MET to UL 61010-1 / CSA C22.2 No. 61010-1
- Certified to NSF / ANSI Standards*

HL Model

- ISO 9001:2015 certified quality management system
- Certified by MET: Safety: UL61010-1 / CSA C22.2 No. 61010-1, Third Edition: Safety of Electrical Equipment For Measurement, Control, and Laboratory Use
- Certified by MET: Standards: ANSI / ISA12.12.01 / CSA C22.2 No. 213, Nonincendive Electrical Equipment
 - Class I and II, Division 2
 - Class III, Divisions 1 and 2 Hazardous (Classified) Locations
- Certified to NSF / ANSI Standards*



IMPORTANT

Electrical safety certifications above do not apply to model 282L Single Point Insertion (SPI Mag) Electromagnetic Flow Meter.



IMPORTANT

Refer to certification requirements. Do not substitute components.



IMPORTANT

The ProComm converter, models PC-RA1-HL series and PC-MA1-HL series have no user serviceable parts.



PROCOMM GO CONVERTER SPECIFICATIONS

Physical Specifications

Electronic Housing	Diecast aluminum, powder coated enclosure w/ tamper resistant seal, 6½" x 6½" x 43/8" tall
Converter Dimensions	See "Dimensions" section for meter mount and remote mount converter dimensions.
Power	Battery: Standard: three 3.6V lithium-thionyl chloride (Li-SOCl ₂) D size batteries with two AA backup batteries AC Power: 100-240VAC/45-66Hz (4W) DC Power: Linear power supply 10-35VDC (4 W)
Electrical Connections	<ul style="list-style-type: none"> Optional shielded cable for 10-32VDC/4-20 mA output Optional shielded cable for pulse out

Performance and Operational Specifications

Battery Life	Five-year expected battery life, five-year 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
Outputs	Digital output: Digital pulse (open collector) output for volumetric - Two isolated digital pulse (open collector) outputs for volumetric - AMI output Analog output: 4-20mA: Galvanically Isolated, 16 Bit resolution. All power configurations (including battery). Note: 9-30 VDC loop power required (not supplied via converter)

Display and Measurement

Display	<ul style="list-style-type: none">• 2-Line LCD display (no backlight)• Non-volatile memory• Anti-reverse totalizer (standard)• Total (to 9 digits of precision)		<ul style="list-style-type: none">• Flow rate and velocity (to 5 digits of precision)• Two alarms: low battery and empty pipe (optional)• Opening lid activates display			
	Digits					
Units	5 Rate, 9 Total					
	GPM	Gallons per minute	IGM	Imperial gal per minute	CFM	Cubic feet per minute
	MGD	Mega gal per day	MI9	Miners inch (9G)	B5M	Barrels per minute (55G)
	CFS	Cubic feet per second	MI1	Miners inch (11.22G)	B5H	Barrels per hour (55G)
	MLD	Megaliters per day	APD	Acre feet per day	B5D	Barrels per day (55G)
	LPS	Liters per second	KLH	Kiloliters per hour	B4M	Barrels per minute (42G)
	CMH	Cubic meters per hour	LPH	Liters per hour	B4H	Barrels per hour (42G)
	LPM	Liters per minute	CMM	Cubic meters per minute	B4D	Barrels per day (42G)
GPH	Gallons per hour	CFM	Cubic feet per minute			



Specification Sheet Ultra Mag Flow Meter

Totalizer Units	GAL	Gallons	B42	Barrel (42G)	MH1	Miners Inch Hour (11.22G)
	CUF	Cubic Feet	B46	Barrel (46G)	MD1	Miners Inch Day (11.22G)
	AFT	Acre Feet	B55	Barrel (55G)	MH9	Miners Inch Hour (9G)
	CUM	Cubic Meters	IMG	Imperial Gallon	MD9	Miners Inch Day (9G)
	LIT	Liters	AIN	Acre Inch	KGL	Kilo Gallons
	MML	Megaliter	TON	Ton (Short)	MGL	Mega Gallons
	MTT	Metric Ton (KL)	MM1	Miners Inch Minute (11.22G)	IN3	Cubic Inch
	B31	Barrel (31G)	MM9	Miners Inch Minute (9G)		
Data Logger	Standard with all models, minimum of five years of data stored					

Other Specifications

Options and Accessories

- Data Logger - included as standard with five years of data storage at default (12hr) interval. (Cable sold separately)
- AC, DC, and battery powered with battery backup powered available

Safety

- IEC 61010-1, Pollution Degree II
- Overvoltage protection Category III

Certifications

Standard Model

- ISO 9001:2015 certified quality management system
- Certified by MET to UL 61010-1 / CSA C22.2 No. 61010-1

HL Model

- ISO 9001:2015 certified quality management system
- Certified by MET: Safety: UL61010-1 / CSA C22.2 No. 61010-1, Third Edition: Safety of Electrical Equipment For Measurement, Control, and Laboratory Use
- Certified by MET: Standards: ANSI / ISA12.12.01 / CSA C22.2 No. 213, Nonincendive Electrical Equipment
 - Class I and II, Division 2
 - Class III, Divisions 1 and 2 Hazardous (Classified) Locations

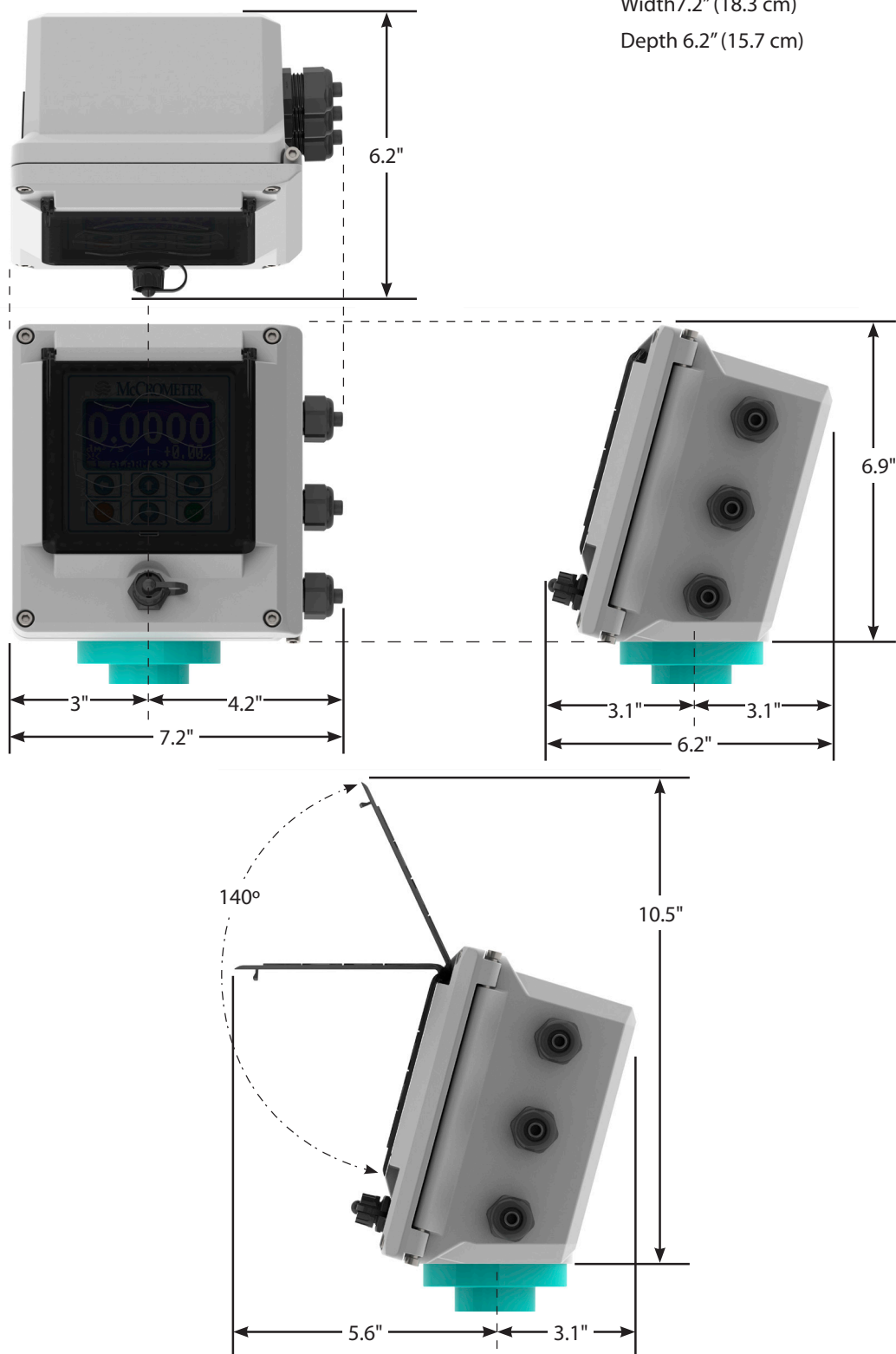


PROCOMM CONVERTER METER MOUNT DIMENSIONS

Height 6.9" (20.1 cm)

Width 7.2" (18.3 cm)

Depth 6.2" (15.7 cm)

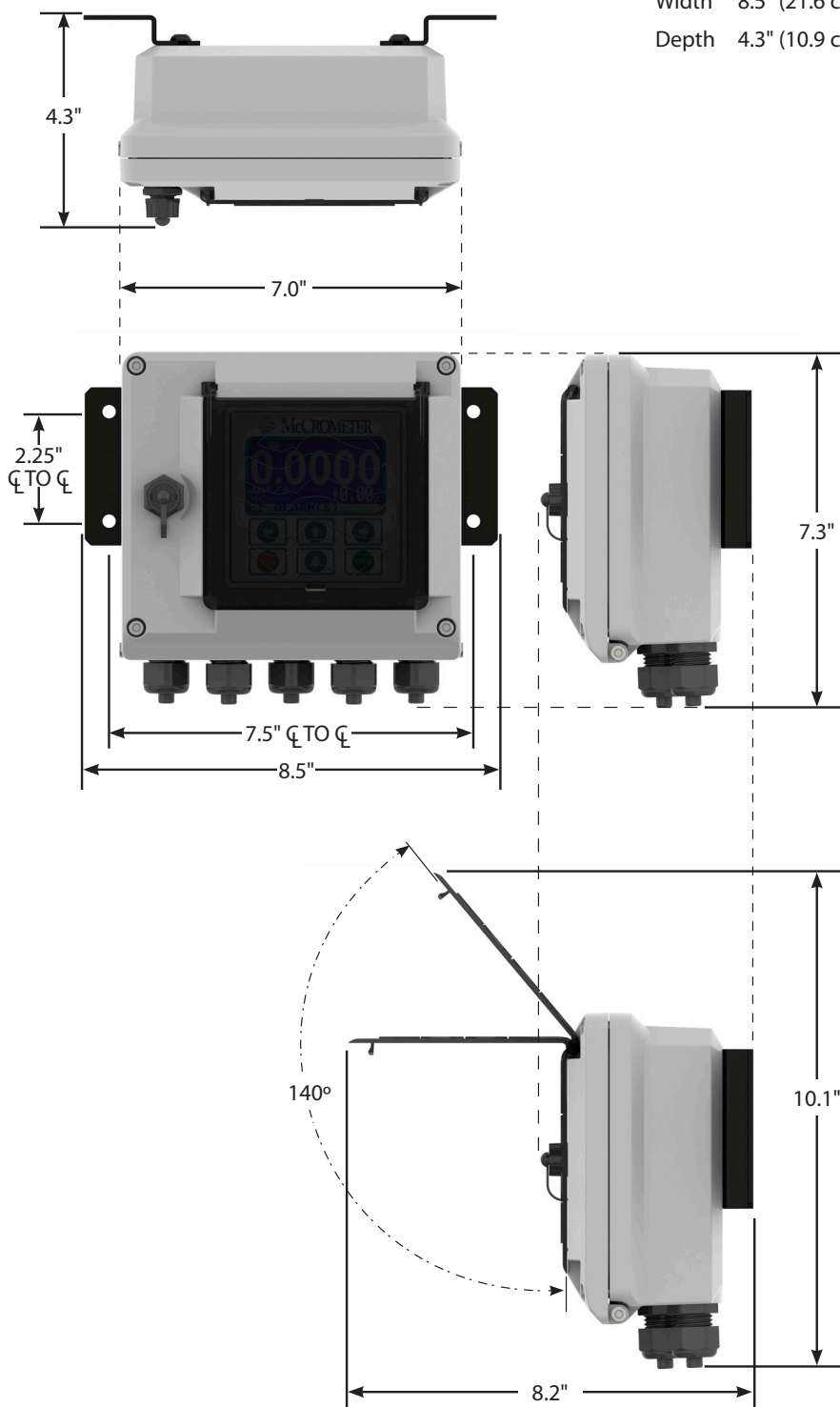


PROCOMM CONVERTER REMOTE MOUNT DIMENSIONS

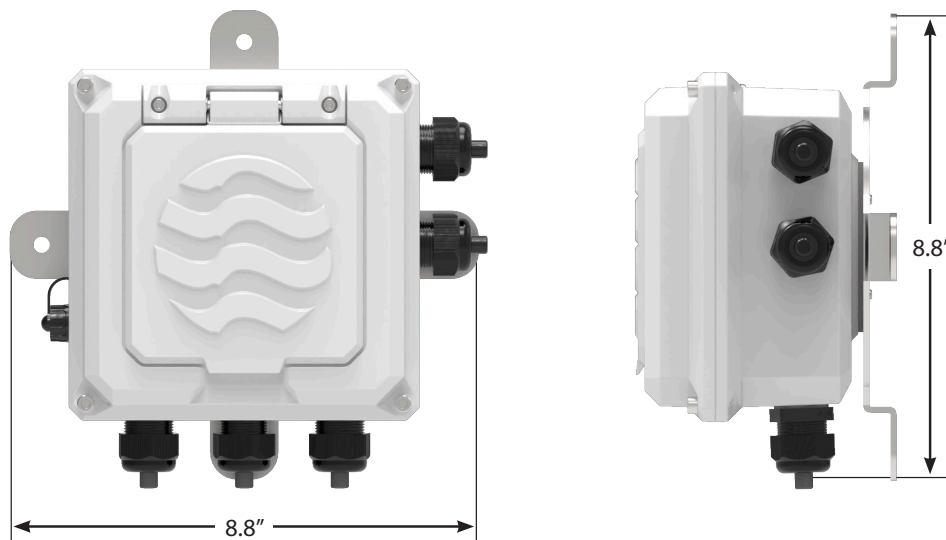
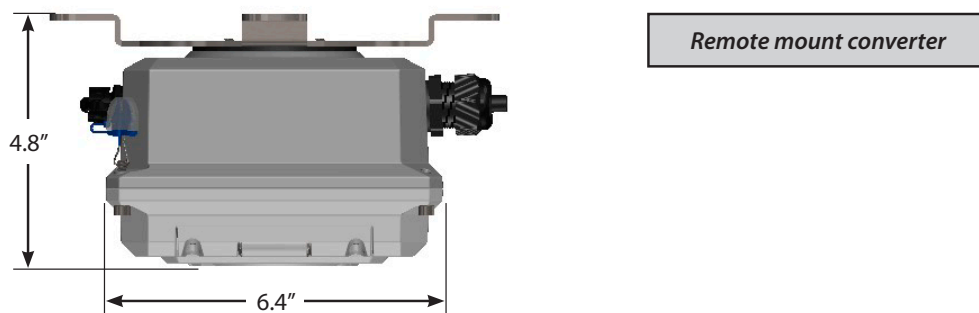
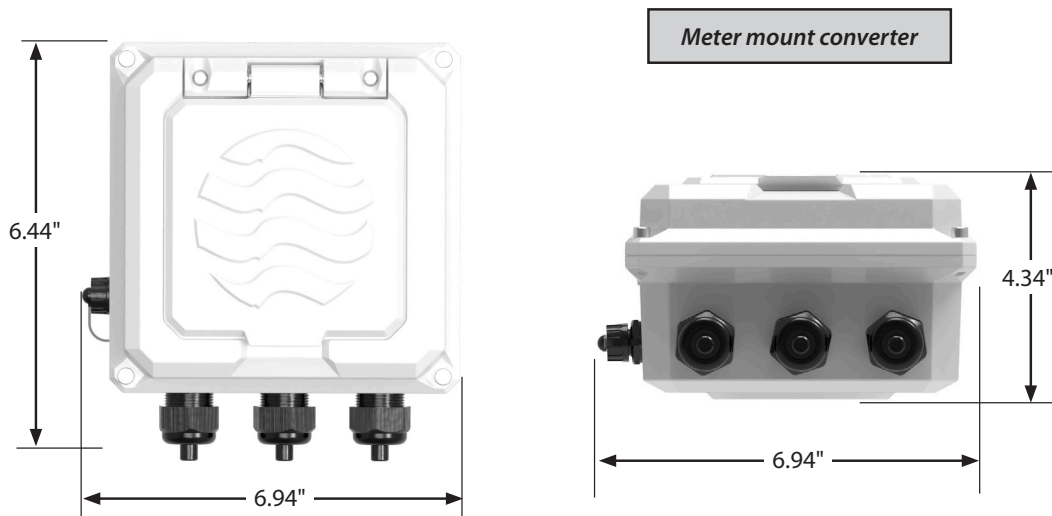
Height 7.3" (18.5 cm)

Width 8.5" (21.6 cm)

Depth 4.3" (10.9 cm)



PROCOMM GO CONVERTER DIMENSIONS



Copyright © 2023 McCrometer, Inc. All printed material should not be changed or altered without permission of McCrometer. Any published pricing, technical data, and instructions are subject to change without notice. Contact your McCrometer representative for current pricing, technical data, and instructions.

3255 WEST STETSON AVENUE • HEMET, CALIFORNIA 92545 USA
 TEL: 951-652-6811 • 800-220-2279 • FAX: 951-652-3078
www.mccrometer.com