

GENERAL

ALIAMAG The Aliamag AMC4000 series converter is a microprocessor based intelligent transmitter that can be paired with any of the Alia AMF series sensors. The unit features multiple display parameters including flow rate, flow total, diagnostics, programming and troubleshooting.

FEATURES

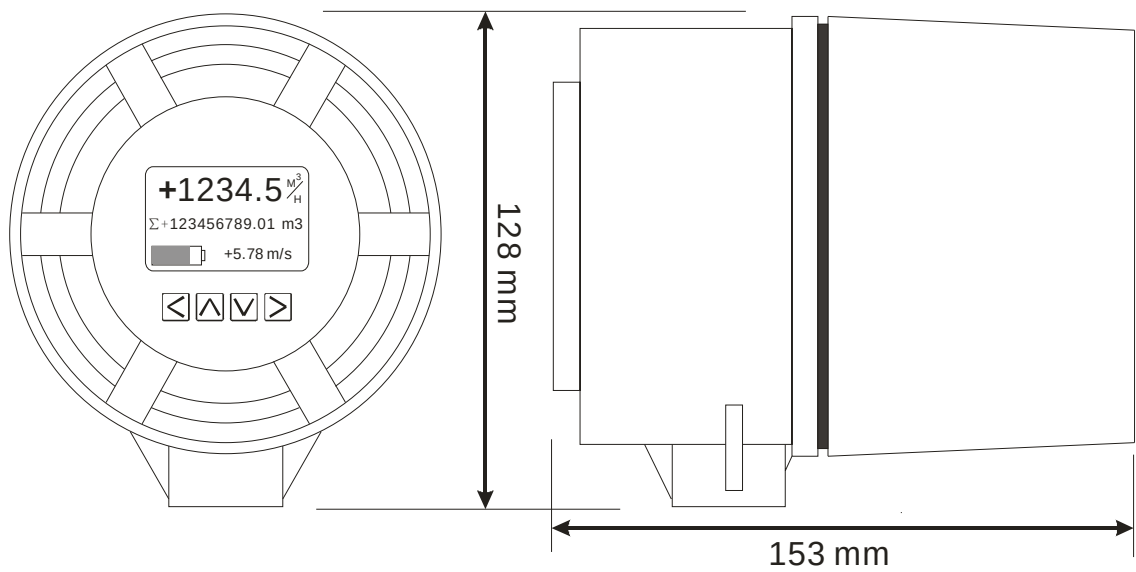
- Battery life 2~3 years in normal working condition
- Accuracy of +/-0.3% value of reading
- Bi-directional flow measurement, current and pulse output
- 3 lines of LCD display flowrate and totalizer
- Records up to 99 power on/off time
- IP67 / IP68 protection class

STANDARD SPECIFICATION

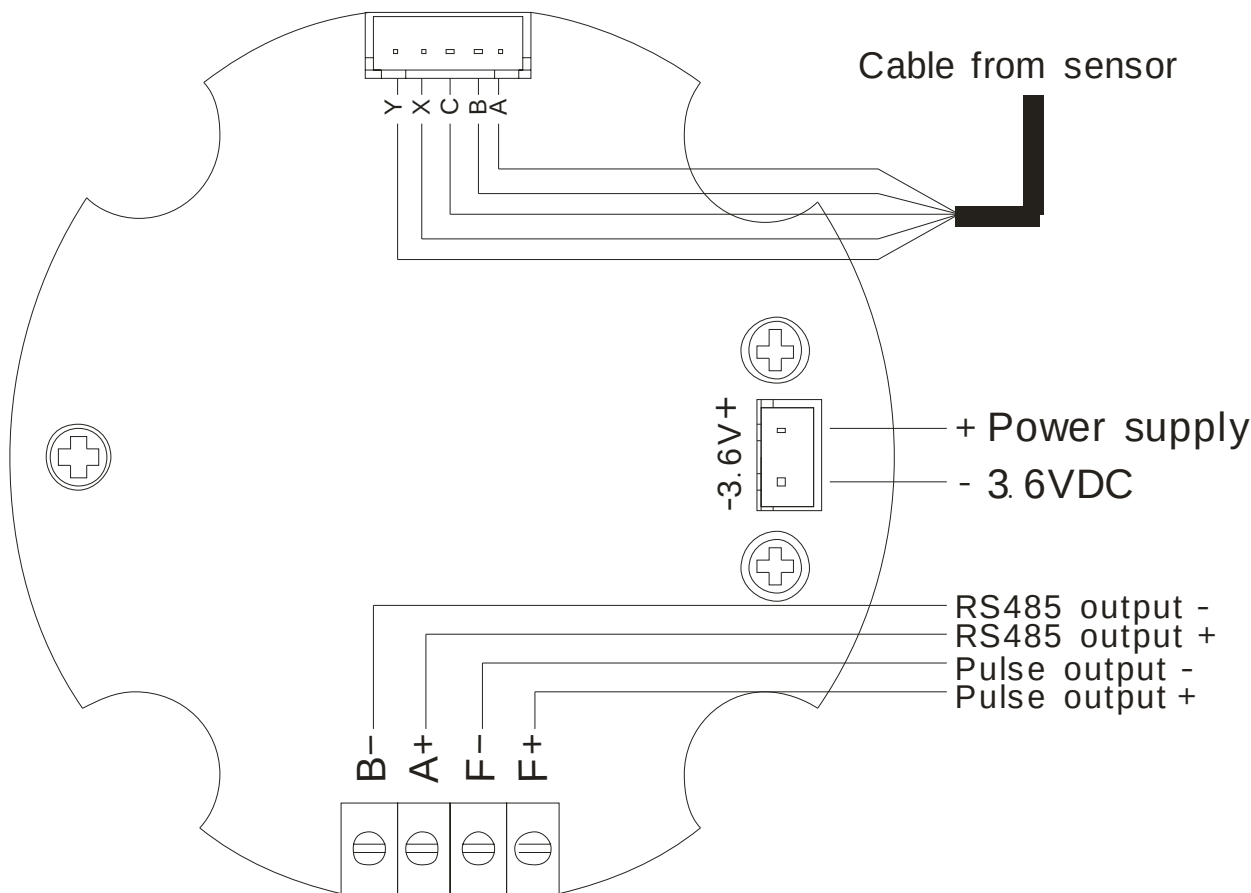
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|-------------------|--|--------------------------|---|
| ● Excitation | : DC pulsed | ● Low Flow Cutoff | : 0 ~ 9.9 % |
| ● Display | : 3 lines of LCD | ● Self Diagnosis | : The following error message are displayed if failure occurs |
| Page 1/ Line 1 | : 5-digit flowrate | - Coil failure | |
| Page 1/ Line 2 | : 11-digit forward totalizer | - Power failure | |
| Page 1/ Line 3 | : Battery status, flow velocity | - Overranged output | |
| Page 2/ Line 1 | : 11-digit totalizer | - Internal error | |
| Page 2/ Line 2 | : 11-digit reverse totalizer | - Overflow | |
| Page 2/ Line 3 | : Display instantaneous velocity | - Empty pipe | |
| Page 3 | : Alarm | | |
| ● Flow Unit | : M3/Hr, M3/min, M3/sec, L/Hr, L/min
GPH, GPM, GPS, ML/H, ML/m, ML/S | ● Cable Entry | : Standard :PG11 Option:1/2"NPTF |
| ● Totalizer Unit | : M3, Gallon, Liter, ML | ● Protection Class | : IP 67
IP 68 (Submersible) |
| ● Measuring Range | : Min. 0 ~ 0.15 m/s
Max. 0 ~ 15.0 m/s | ● Ambient Temp. | : -25 ~ +65 °C |
| ● Accuracy | : +/-0.3% of reading (Velocity ≥ 0.5 m/s)
+/-0.0015 m/s (Velocity < 0.5 m/s) | ● Housing Material | : Aluminum alloy |
| ● Repeatability | : +/-0.05% of reading | ● Power Supply | : 3.6V battery, Size D |
| ● Pulse Output | : Open collector
Load : 3 ~ 30 Vdc, max. 20 mA | ● Battery Life | : 2~3 years
Determined by size & function |
| ● Pulse Rate | : 1) Scaled pulse (Liter/Pulse, other)
2) Frequency: 1~5000 Hz | ● Communication Protocol | : RS485 (MODBUS protocol) |
| ● Keypad | : 4 control keys to change parameters and switch display interface | ● Weight | : 2.0 Kg (Compact)
4.3 Kg (Separate) |
| ● Damping | : 0.1~99.9s | ● Mounting | : Wall mounting
Bracket on 2" pipe
Compact version (Installed on sensor) |
| ● Data Storage | : Operation parameters and totalizer are stored by EEPROM for more than 10 years | | |



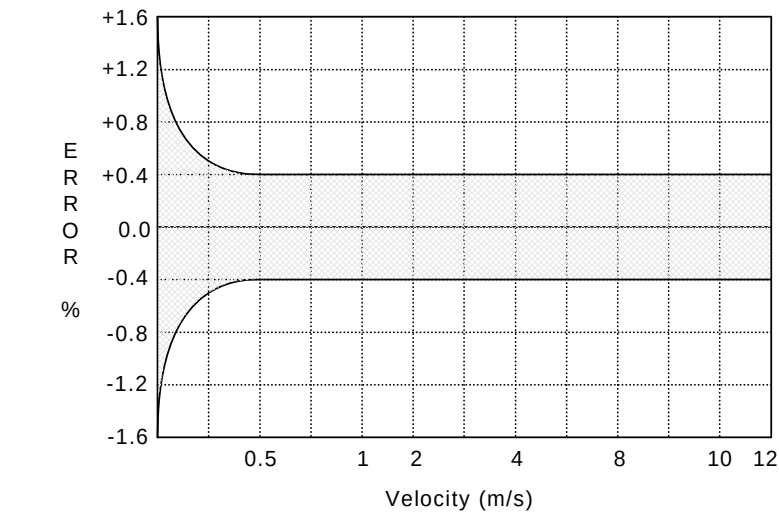
DIMENSIONS



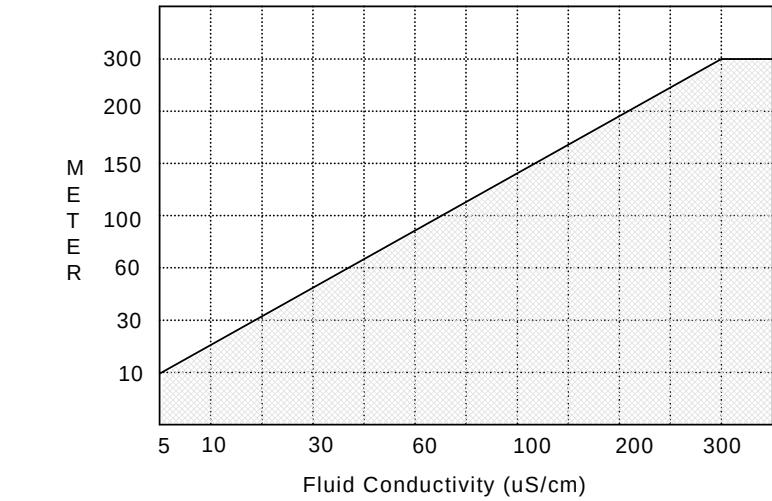
WIRING DIAGRAM



➤ACCURACY



➤CABLE LENGTH BETWEEN SENSOR & CONVERTER

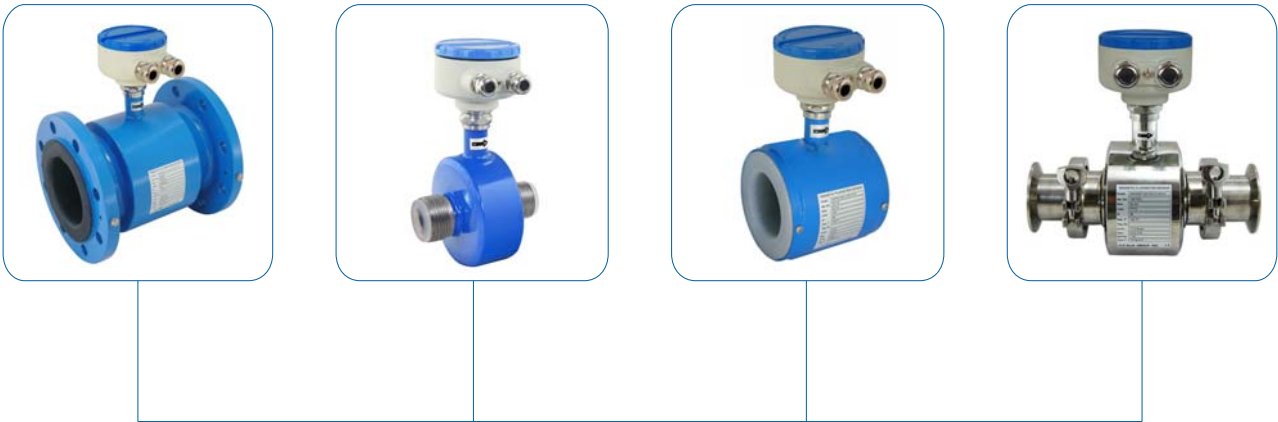


➤MODEL SELECTION GUIDE

AMC4000 Series					
Example: AMC4000-CP-NN-BX-NN					
AMC4000-	XX-	XX-	XX-	XX	Description
Mounting	CP-				Compact with Sensor
	SW-				Separate, Wall Mounting
	S2-				Separate, 2" Mounting Bracket
Protection Class		NN-			IP 67
		68-			IP 68 (Submersible)
Battery			BX-		Battery Box without Battery
			BT-		Battery Box with Battery, 3.6V / Size D x 4 Pcs
Cable Entry				NN	None
				EP	6 pin IP65 connector (External Power/ Frequency/ RS485)
				PT	1/2" NPTF

BUILD OPTIONS-(COMPACT OR REMOTE)

Separate Type



Compact Type