



ALIAMAG

Converter For Electromagnetic Flowmeter

Model AMC4000PE Series

GENERAL

ALIAMAG The Aliamag AMC4000PE 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

- | | | | |
|-------------------|--|--------------------------|---|
| ● 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 | : Flow Percentage | - 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 | ● Cable Entry | : Standard:PG11 Option:1/2"NPTF |
| | GPH, GPM, GPS, ML/H, ML/m, ML/S | ● Protection Class | : IP 67 |
| ● Totalizer Unit | : M3, Gallon, Liter, ML | | : IP 68 (Submersible) |
| ● Measuring Range | : Min. 0 ~ 0.15 m/s | ● Ambient Temp. | : -25 ~ +65 °C |
| | : Max. 0 ~ 15.0 m/s | ● Housing Material | : Aluminum alloy |
| ● Accuracy | : +/-0.3% of reading (Velocity≥0.5 m/s) | ● Power Supply | : 3.6V battery, Size D |
| | : +/-0.0015 m/s (Velocity<0.5 m/s) | ● Battery Life | : 2~3 years |
| ● Repeatability | : +/-0.05% of reading | | Determined by size & function |
| ● Pulse Output | : Open collector | ● Communication Protocol | : RS485 (MODBUS protocol) |
| | Load : 3 ~ 30 Vdc, max. 20 mA | ● Weight | : 2.0 Kg (Compact) |
| ● Pulse Rate | : 1)Scaled pulse (Liter/Pulse, other) | | : 4.3 Kg (Separate) |
| | : 2)Frequency: 1~5000 Hz | ● Mounting | : Wall mounting |
| ● Keypad | : 4 control keys to change parameters and switch display interface | | : Bracket on 2" pipe |
| ● Damping | : 0.1~99.9s | | : Compact version (Installed on sensor) |
| ● Data Storage | : Operation parameters and totalizer are stored by EEPROM for more than 10 years | ● Option | : Ambient Temperature Inspection |



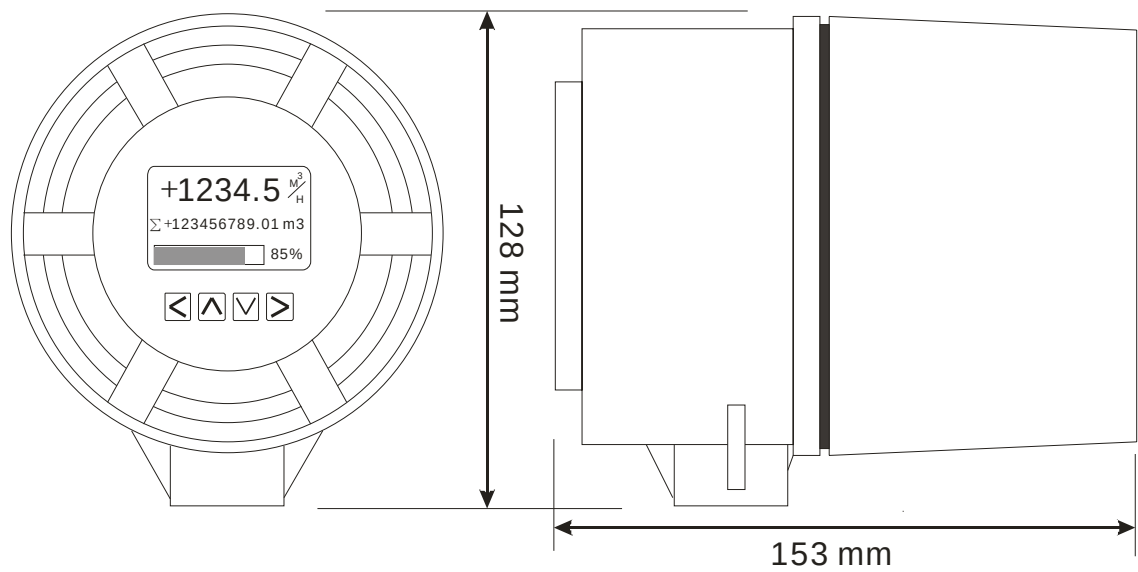
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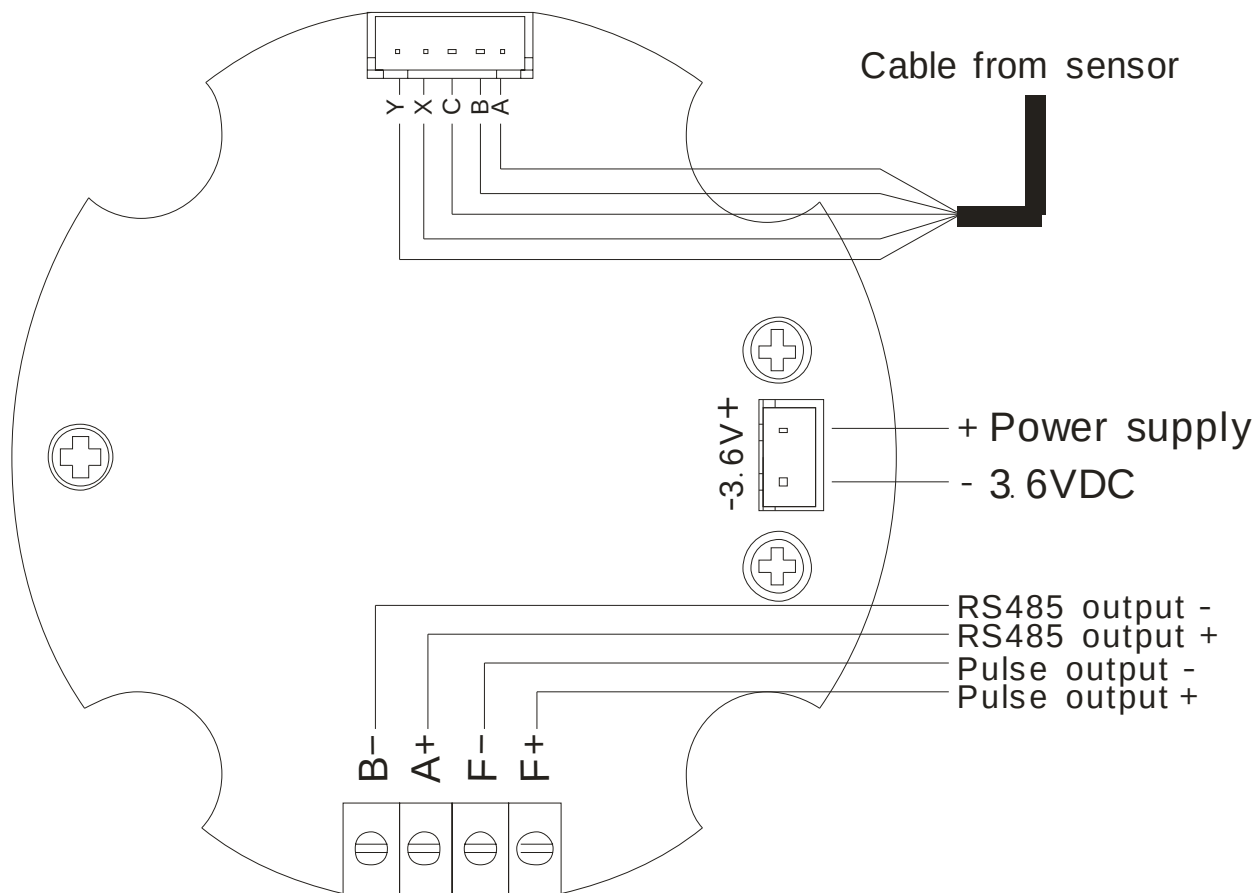


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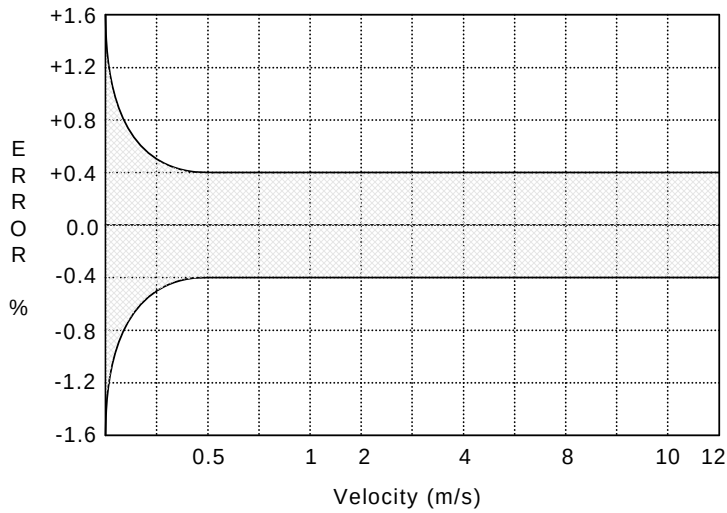
DIMENSIONS



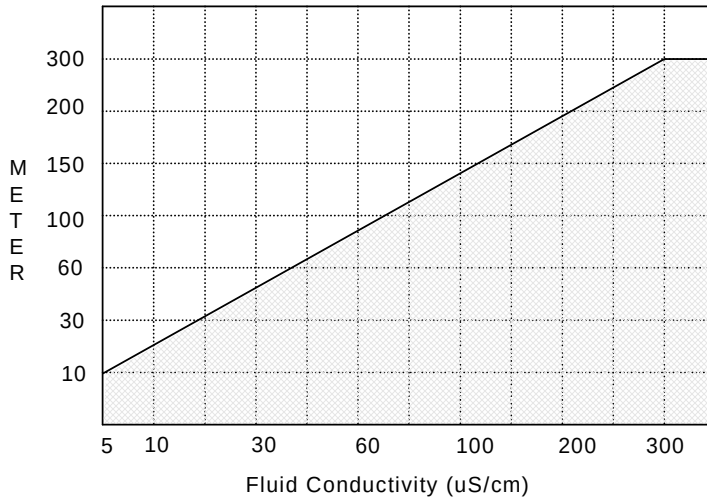
WIRING DIAGRAM



➤ ACCURACY



➤ CABLE LENGTH BETWEEN SENSOR & CONVERTER

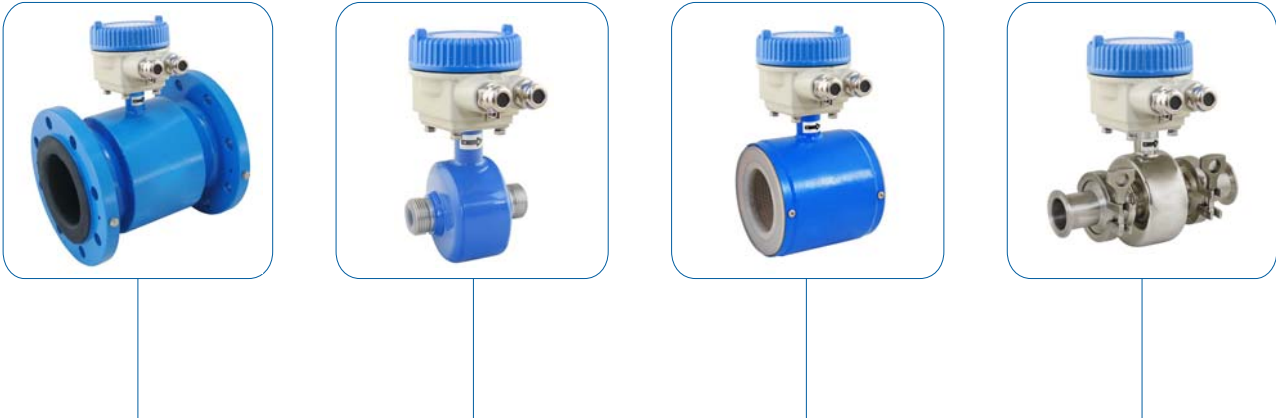


➤ MODEL SELECTION GUIDE

AMC4000PE Series						
Example: AMC4000PE-CP-NN-BX-NN-AM						
AMC4000PE-	XX-	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
Option				AM		Ambient Temperature Inspection

BUILD OPTIONS-(COMPACT OR REMOTE)

Separate Type



Compact Type