



ALIAMAG

Converter For Electromagnetic Flowmeter

Model AMC3200PE Series

GENERAL

ALIAMAG The Aliamag AMC3200PE 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. It's equipped with bluetooth, HART and Modbus communication functions.

FEATURES

- ❑ Three line LCD display Flow Rate / Totalizer
- ❑ Accuracy of +/-0.2% value of reading
- ❑ Bi-directional flow measurement, current and pulse output
- ❑ Explosion Proof, Exd (ib)ibqllBT5
- ❑ Bluetooth/MODBUS/HART communication
- ❑ Converter can be rotated at Four directions for easy installation



STANDARD SPECIFICATION

- | | | | |
|-------------------|---|-----------------------|--|
| ● Excitation | : DC pulsed | ● Keypad | : 3 internal keys for programming and display control |
| ● Display | : 3 lines LCD with illumination | ● Data Storage | : Operation parameters and totalizer figures are stored by EEPROM for more than 10 years |
| Line 1 | : 11 digit totalizer for forward flow | ● Low Flow Cutoff | : 0 to 9.9 % |
| | : 11 digit totalizer for reverse flow | ● Damping | : 0 to 99 Seconds |
| | : 11 digit totalizer for difference | ● Density Setting | : 0.1 to 9.99 g/cm3 |
| Line 2 | : 5 digit flowrate / velocity / % / mA / HZ | ● Self Diagnosis | : The following error message are displayed if failure occurs |
| Line 3 | : Parameter / Query / Clr tot / Query LOG | | - Coil failure |
| | Alarm, Guidance | | - Power failure |
| Totalizer Unit | : T, Kg, g, lb, Ston, Lton, m3, L, mL, lgal, gal, | | - Overranged Output |
| | : Mgal, bbl, ft3, a-ft | | - Internal error |
| Time Unit | : sec, min, hour, day | | - Overflow |
| ● Measuring Range | : Min. 0 to 0.15 m/s | | - Empty pipe |
| | : Max. 0 to 15 m/s | ● Cable Entry | : Standard: M20 Option: 1/2" NPTF |
| ● Accuracy | : +/-0.2% of reading (Velocity ≥ 0.5 m/s) | ● Protection Class | : IP 67, Explosion proof, Exd (ib)ibqllBT5 |
| | : +/-0.001 m/s (Velocity < 0.5 m/s) | ● Ambient Temperature | : -25 to +65 °C |
| ● Repeatability | : +/-0.05% of reading | ● Material | : Aluminum Alloy |
| ● Current Output | : 4-20 mA (Isolated) | ● Power Supply | : 90-260 Vac, 50/60 Hz |
| | Load : Max. 600 Ω | | : 24Vdc +/-10% (Option) |
| ● Pulse Output | : Open collector | ● Power Consumption | : 3-17 W (Dependent on sensor size) |
| | Rating : 3 to 30 Vdc, 50 mA Max. | ● Weight | : 4.5 Kg |
| ● Pulse Rate | : 1) Scale pulse (mL/Pulse, L/Pulse, Other) | ● Mounting | : Bracket on 2" pipe |
| | : 2) Frequency: 0-5000 Hz | ● Option | : AM (Ambient Temperature Inspection) |
| ● Pulse Width | : 50% of band width | | |
| ● Alarm | : High/Low with open collector output | | |
| | Rating : 3 to 30 Vdc, 50 mA Max. | | |
| ● Communication | : Bluetooth (Android) Standard | | |
| | : RS485 (MODBUS Protocol) Standard | | |
| | : HART signal (Compatible) Optional | | |



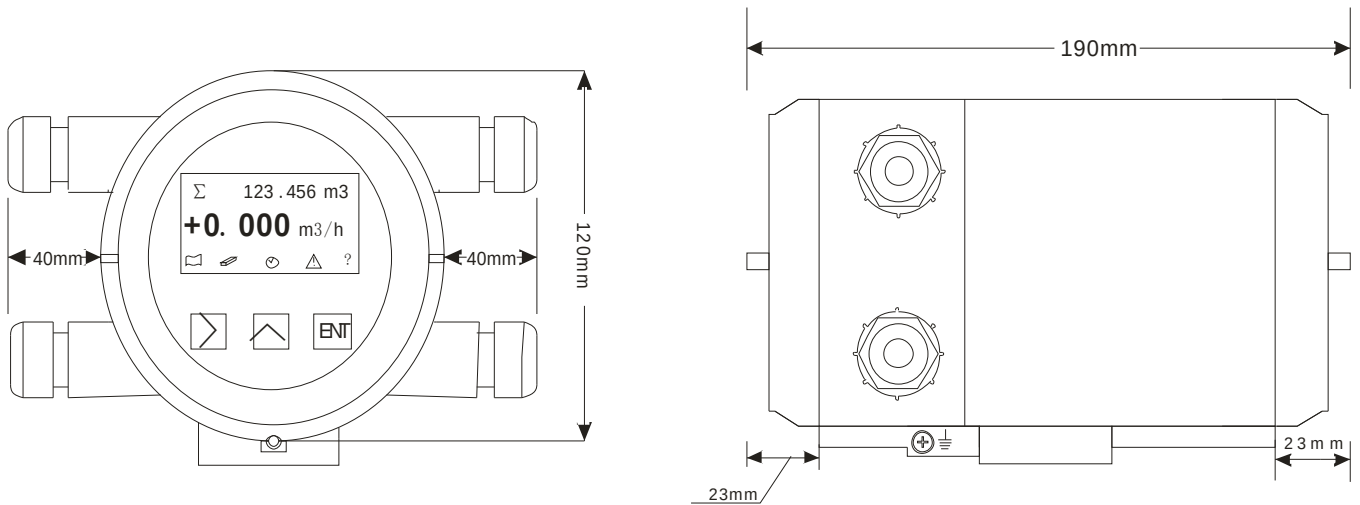
ALIA TECHNOLOGY LLC

633 W. 5th Street, 26th Floor, Los Angeles, CA 90071, USA
TEL : + 1- 213 - 533 - 4139 FAX : + 1 - 213 - 223 - 2317

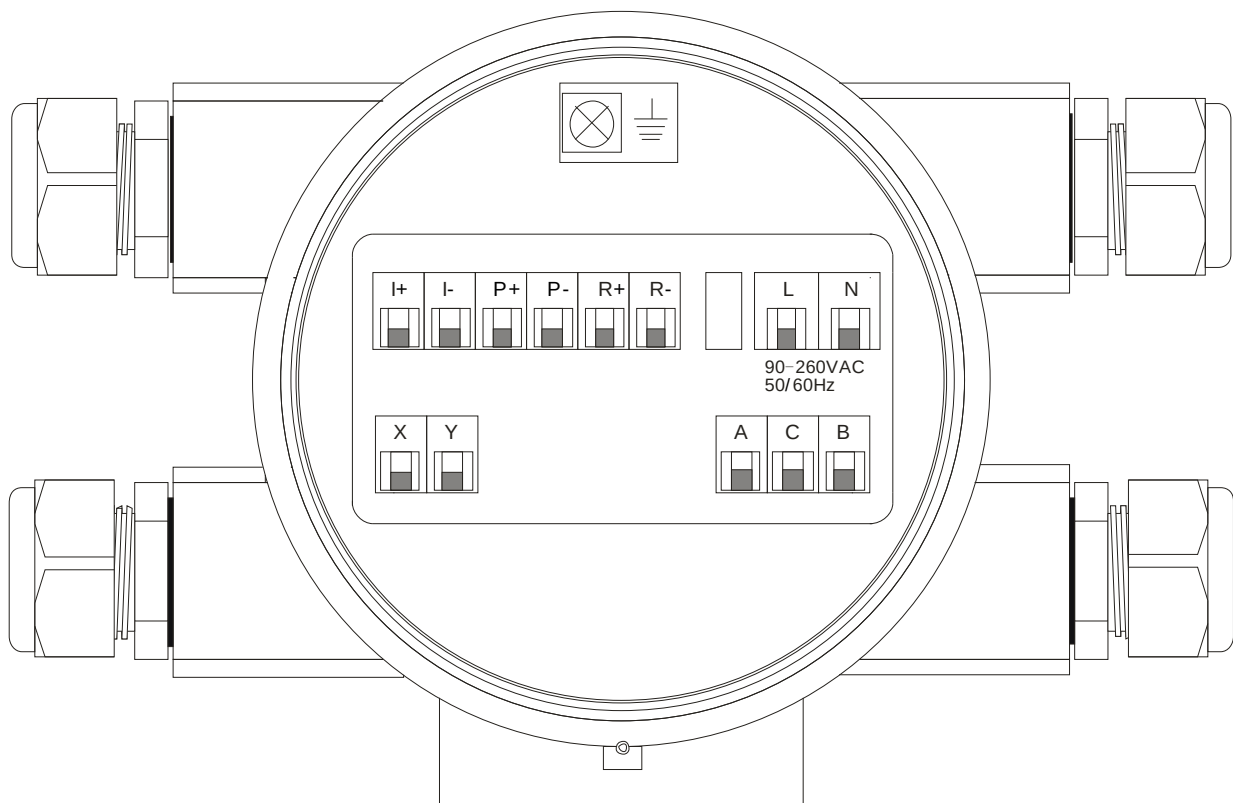


URL : www.alia-inc.com
E-mail : alia@alia-inc.com
AMC3200PEV1.2.1.r1.A4.en

DIMENSIONS



WIRING DIAGRAM

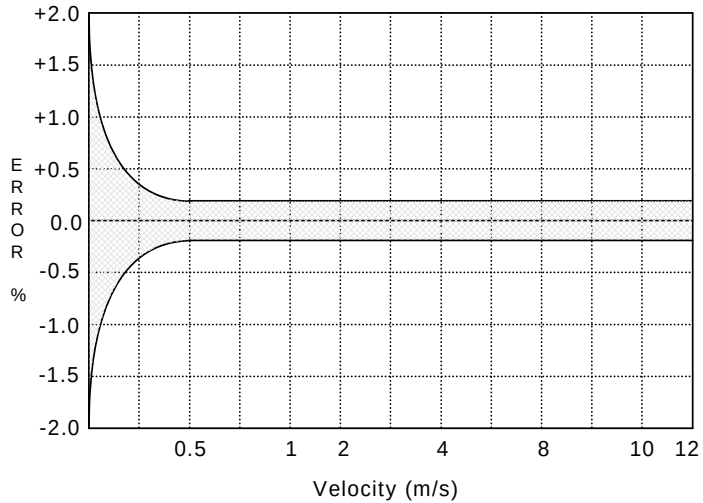


I+: 4-20mA Output +
I-: 4-20mA Output -

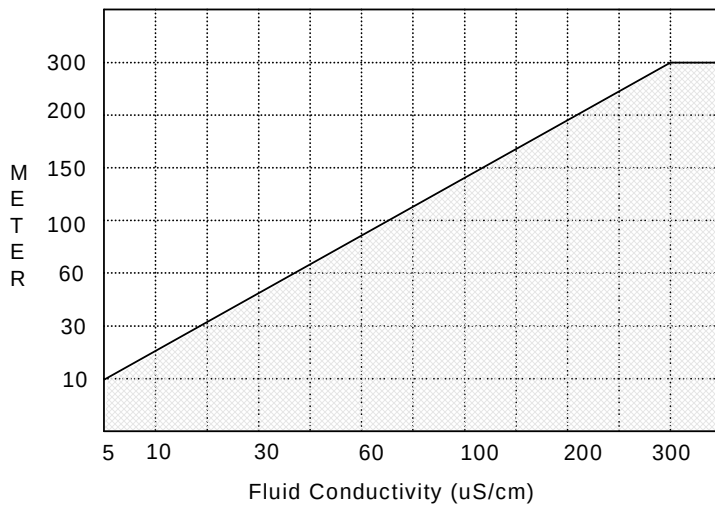
P+: Pulse Output +
P-: Pulse Output -

R+: RS485 Output +
R-: RS485 Output -

➤ ACCURACY



➤ CABLE LENGTH BETWEEN SENSOR & CONVERTER



➤ MODEL SELECTION GUIDE

AMC3200PE Series					
Example:AMC3200PE-AC-CP-EX-HT/PT					
AMC3200PE-	XX-	XX-	XX-	XX	Description
Power Supply	AC-				90-260 Vac, 50/60 Hz
	DC-				24Vdc, +/-10%
Mounting		CP-			Compact with Sensor
		S2-			Separate, 2" Mounting Bracket or Wall Mounting
Protection Class		NN-			IP67
		EX-			Explosion Proof, Exd(ib)IbqII BT5
Option			NN		None
			HT		HART Signal (Compatible)
			PT		Cable Entry 1/2" NPTF
			AM		Ambient Temperature Inspection

BUILD OPTIONS-(COMPACT OR REMOTE)

