



ALIAMAG

Converter For Electromagnetic Flowmeter

Model AMC2200 Series

GENERAL

ALIAMAG The ALIAMAG AMC2200 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 +/-0.35% value of reading
- ❑ Bi-directional flow measurement, current and pulse output
- ❑ Large digital display
- ❑ Bluetooth / MODBUS / HART communication

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 | : 0-9.9% |
| | : 11 Digit totalizer for reverse flow | ● Damping | : 0-99 Seconds |
| | : 11 Digit totalizer for difference | ● Density Setting | : 0.1-9.99 g/cm ³ |
| Line 2 | : 5 Digit flowrate / velocity / % / mA / Hz | ● Self Diagnosis | : The following error messages 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, m ³ , L, mL, lgal, gal, Mgal, bbl, ft ³ , a-ft | | -Overranged Output |
| Time Unit | : sec, min, hour, day | | -Internal error |
| ● Measuring Range | : Min. 0-0.15 m/s | | -Overflow |
| | : Max. 0-15 m/s | | -Empty pipe |
| ● Accuracy | : +/-0.35% of reading (Velocity ≥ 0.5 m/s) | ● Cable Entry | : Standard: M20 Option: 1/2" NPTF |
| | : +/-0.00175 m/s (Velocity < 0.5 m/s) | ● Protection Class | : IP65 |
| ● Repeatability | : +/-0.07% of reading | ● Ambient Temperature | : -25~65 °C |
| ● Current Output | : 4-20 mA (Isolated) | ● Material | : Aluminum Alloy |
| | Load : Max. 600 Ω | ● Power Supply | : 90-260 VAC, 50/60 Hz |
| ● Pulse Output | : Open collector | | : 24 VDC +/-10% (Option) |
| | Rating : 3-30 VDC, 50 mA Max. | ● Power Consumption | : 3-17 W (Dependent on sensor size) |
| ● Pulse Rate | : 1) Scaled pulse (mL/Pulse, L/Pulse, Other) | ● Lightning Protector | : Module design, easy to replace |
| | : 2) Frequency: 0-5000 Hz | | : Surge test voltage up to 4 kV |
| ● Pulse Width | : 50% of band width | ● Weight | : 1.4 kg |
| ● Alarm | : High / Low with open collector output | ● Mounting | : Wall mounting |
| | Rating : 3-30 VDC, 50 mA Max. | | |
| ● Communication | : Bluetooth (Android) Standard | | |
| | : RS485 (MODBUS Protocol) Standard | | |
| | : HART signal (Compatible) Optional | | |



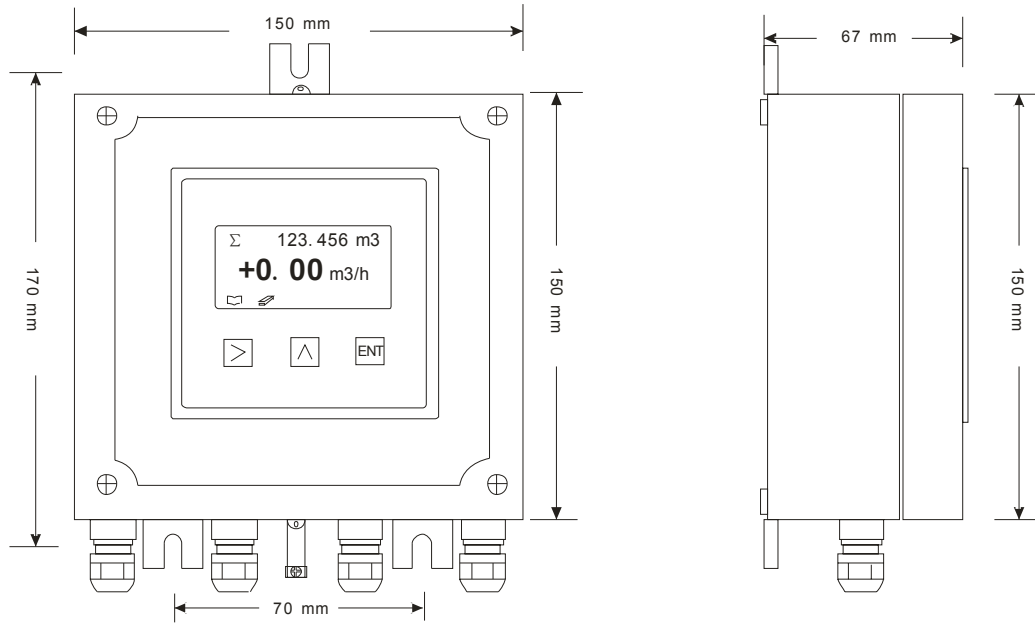
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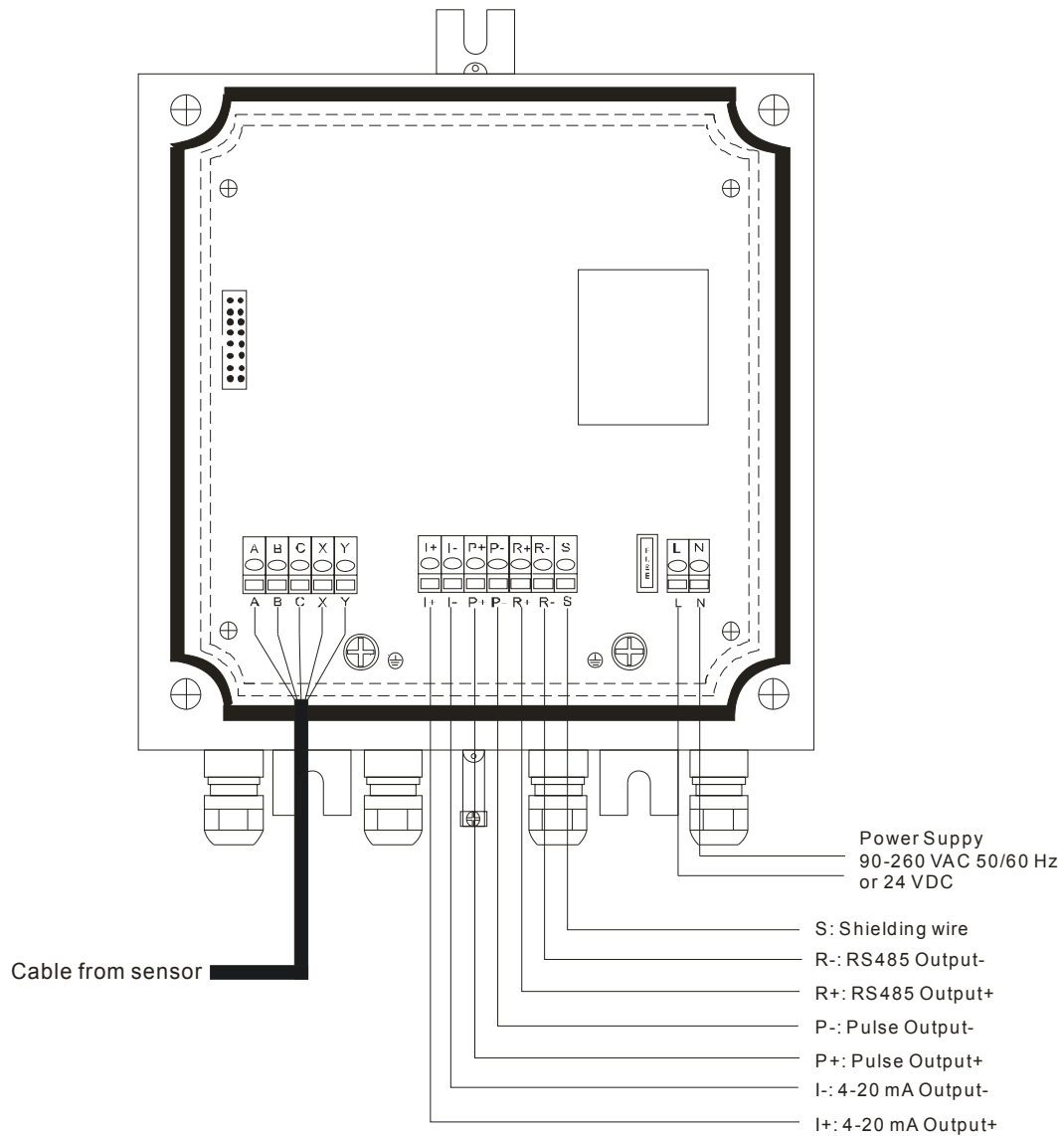


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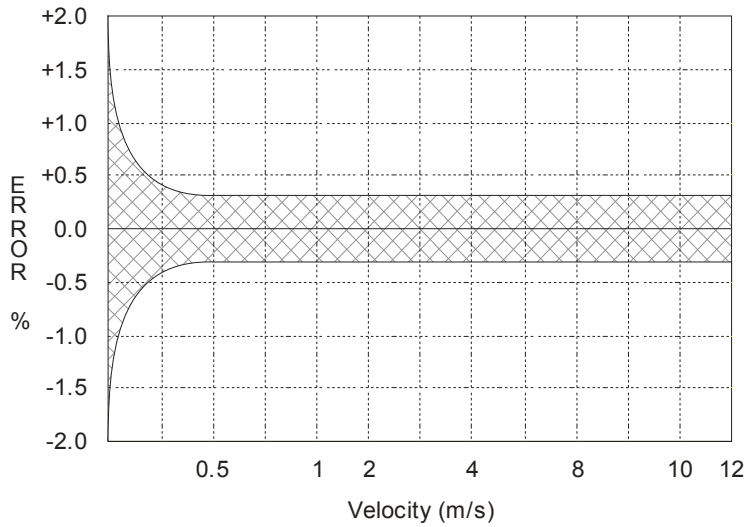
DIMENSIONS



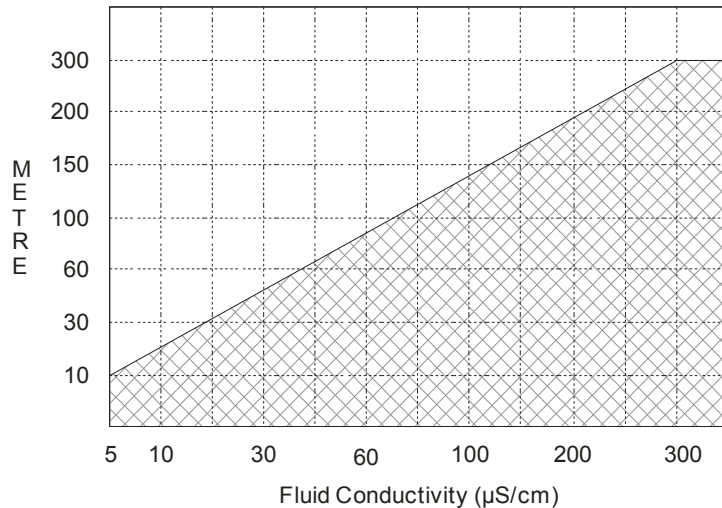
WIRING DIAGRAM



➤ ACCURACY



➤ CABLE LENGTH BETWEEN SENSOR & CONVERTER



➤ MODEL SELECTION GUIDE

AMC2200 Series					
Example: AMC2200-AC-CP-HT-PT					
AMC2200-	XX-	XX-	XX-	XX	Description
Power Supply	AC-				90-260 VAC, 50/60 Hz
	DC-				24 VDC, +/-10%
Mounting		CP-			Compact with Sensor
		SW-			Remote, Wall Mounting
Communication		NN-			RS485 (MODBUS Protocol) and Bluetooth
		HT-			HART Signal (Compatible)
Option			NN		None
			PT		Cable Entry 1/2" NPTF
			LP		Lightening Protector (Internal) (with Power Supply : AC Only) * Note

Note: Surge test voltage up to 4 kV.

BUILD OPTIONS- (COMPACT OR REMOTE)

