

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

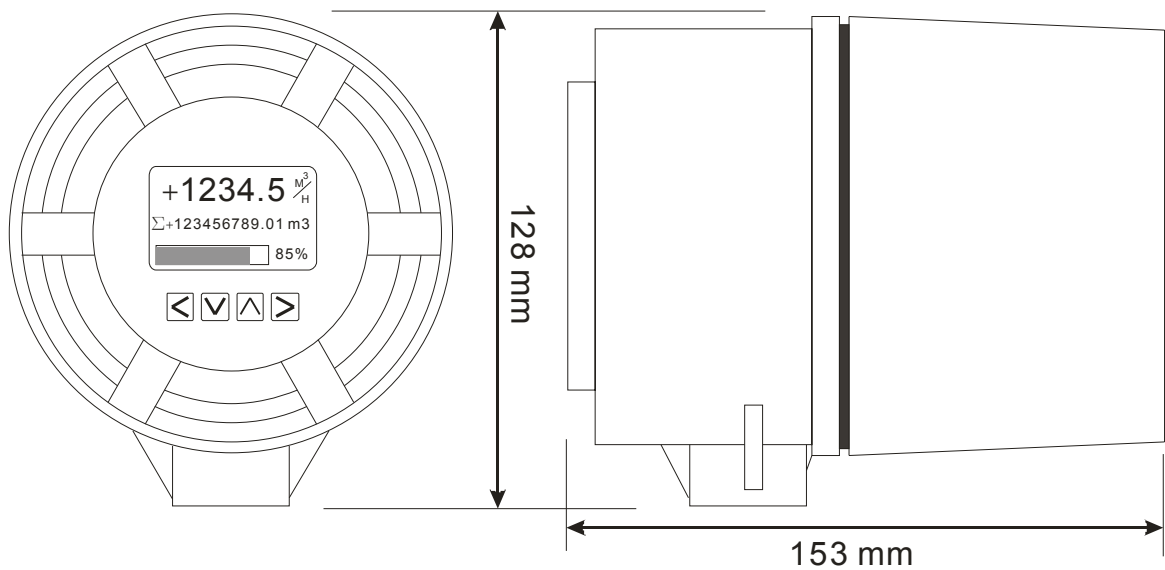
STANDARD SPECIFICATION



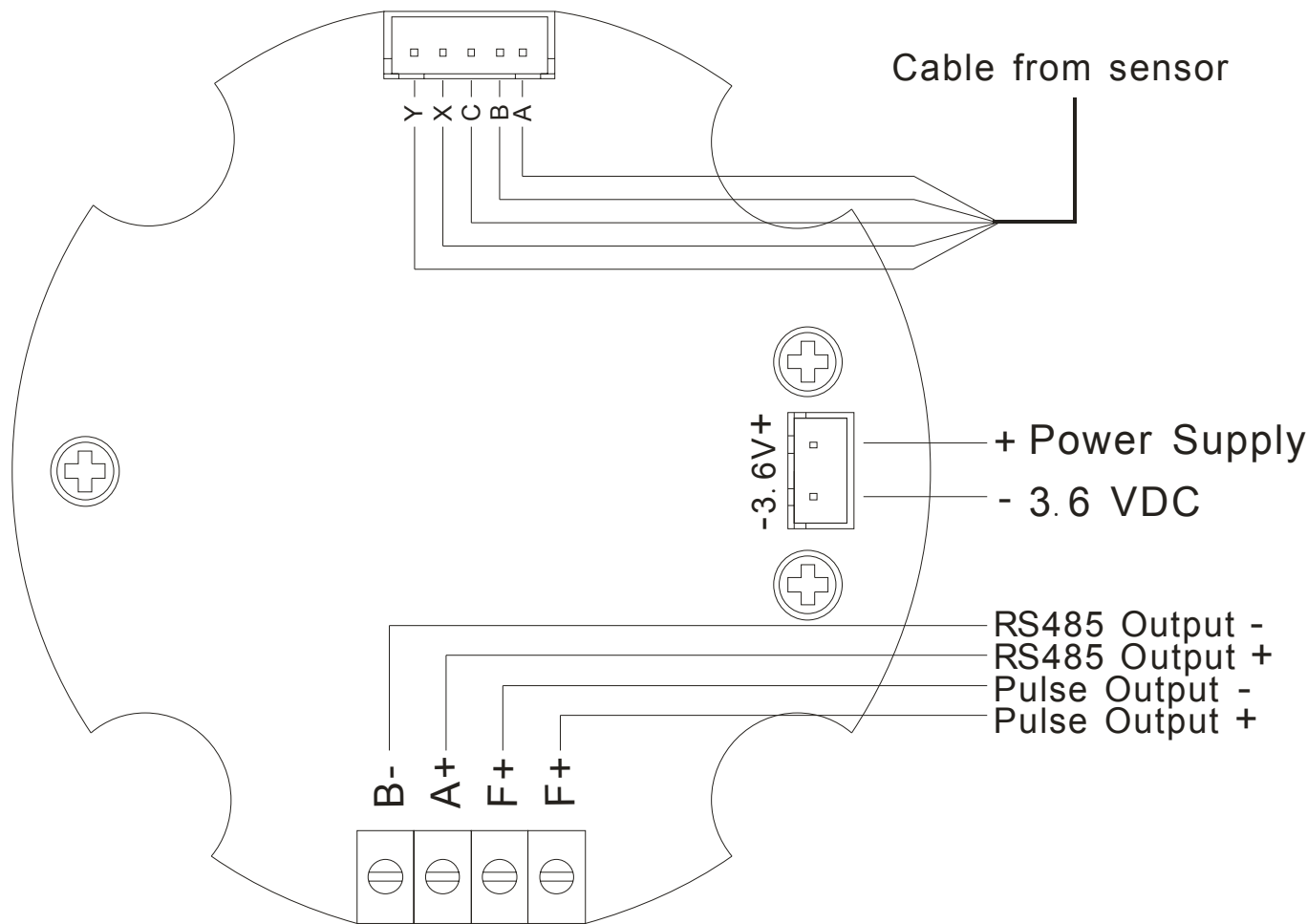
● Excitation	: DC pulsed	● Low Flow Cutoff	: 0-9.9%
● Display	: 3 Lines of LCD	● Self Diagnosis	: The following error messages are displayed if failure occurs
Page 1 / Line 1	: 5-Digit flowrate	- Coil failure	
Page 1 / Line 2	: 11-Digit forward totalizer	- Power failure	
Page 1 / Line 3	: Flow Percentage	- 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	: m ³ /hr, m ³ /min, m ³ /sec, L/hr, L/min GPH, GPM, GPS, mL/hr, mL/min, mL/s	● Cable Entry	: Standard: PG11 Option: 1/2" NPTF
● Totalizer Unit	: m ³ , Gallon, Liter, mL	● Protection Class	: IP67
● Measuring Range	: Min. 0-0.15 m/s : Max. 0-15.0 m/s		: IP68 (Submersible)
● Accuracy	: +/-0.3% of reading (Velocity ≥ 0.5 m/s) : +/-0.0015 m/s (Velocity < 0.5 m/s)	● Ambient Temp.	: -25~65 °C
● Repeatability	: +/-0.05% of reading	● Housing Material	: Aluminum alloy
● Pulse Output	: Open collector	● Power Supply	: 3.6 V battery, Size D
	Load : 3-30 VDC, Max. 20 mA	● Battery Life	: 2-3 Years
● Pulse Rate	: 1) Scaled pulse (Liter / Pulse, other) : 2) Frequency: 1-5000 Hz		Determined by size & function
● Keypad	: 4 Control keys to change parameters and switch display interface	● Communication Protocol	: RS485 (MODBUS protocol)
● Damping	: 0.1-99.9 s	● Weight	: 2.0 kg (Compact) 4.3 kg (Remote)
● Data Storage	: Operation parameters and totalizer are stored by EEPROM for more than 10 years	● Mounting	: Wall mounting Bracket on 2" pipe Compact version (Installed on sensor)



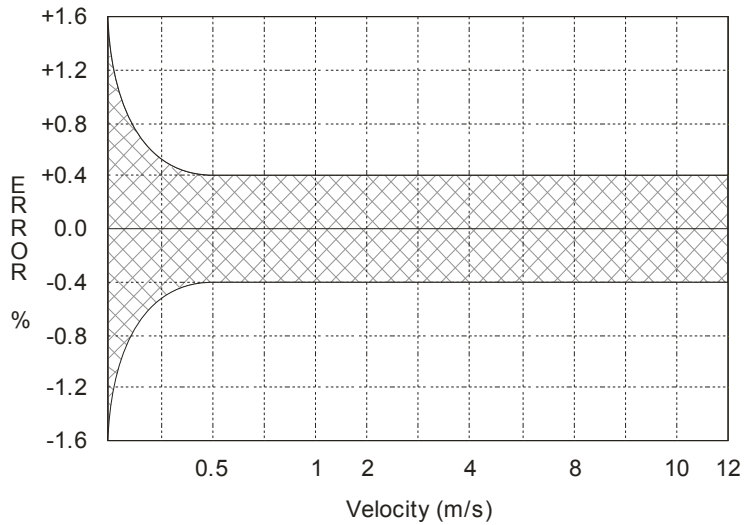
DIMENSIONS



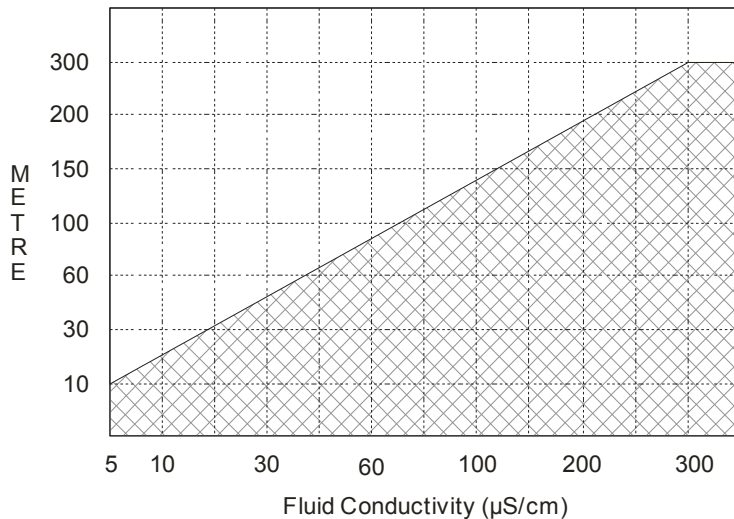
WIRING DIAGRAM



➤ ACCURACY



➤ CABLE LENGTH BETWEEN SENSOR & CONVERTER

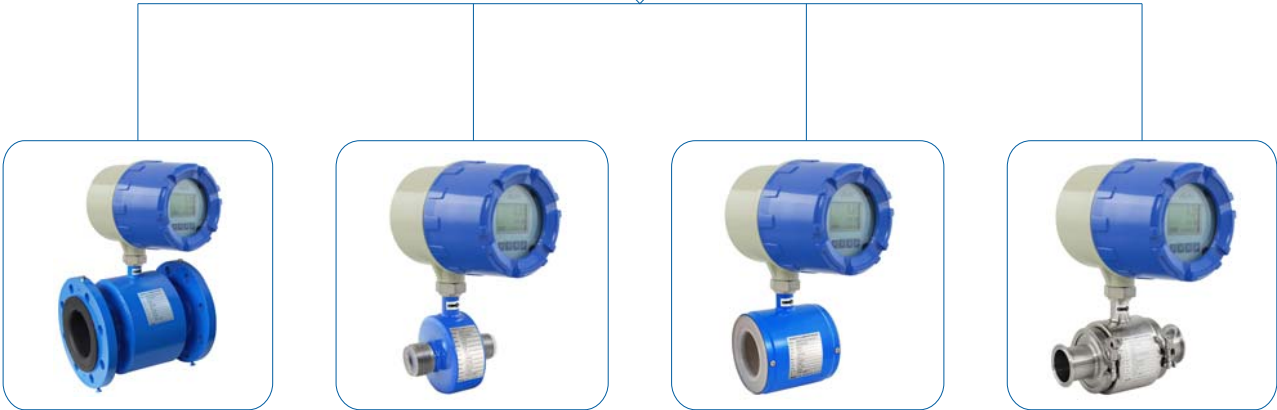


➤ MODEL SELECTION GUIDE

AMC4000 Series					
Example: AMC4000-CP-NN-BX-NN					
AMC4000-	XX-	XX-	XX-	XX	Description
Mounting	CP-				Compact with Sensor
	SW-				Remote, Wall Mounting
	S2-				Remote, 2" Mounting Bracket
Protection Class		NN-			IP67
		68-			IP68 (Submersible)
Battery			BX-		Battery Box without Battery
			BT-		Battery Box with Battery, 3.6 V / Size D * 4 Pcs
Cable Entry				NN	None
				EP	6 pin IP65 connector (External Power / Frequency / RS485)
				PT	1/2" NPTF

BUILD OPTIONS-(COMPACT OR REMOTE)

Remote Type



Compact Type