

GENERAL

ALIAMAG AMF301PE Series is a threaded type electromagnetic flowmeter ideal for conductive liquids. It comes in sizes from 4 to 25 mm. The AMF301PE is widely used for tap-water, waste water, food & beverage, pulp & paper and many other industrial fluid. AMF301PE Series electromagnetic flowmeter could be used in compact or separate model with AMC Series converter of electromagnetic flowmeter.

FEATURES

- Light and compact version
- Flow velocity range: 0-12 m/s, precisely in low flow applications
- Interface thread piping
- FEP Liner suitable for vacuum tube
- High accuracy of $\pm 0.4\%$ value of reading (or $\pm 0.2\%$ value of reading)
- With Forward / Reverse flowrate measurement function

STANDARD SPECIFICATION

- | | | | |
|-------------------|--|------------------------|--|
| ● Size | : 4, 6, 10, 15, 25 mm | ● Cable Entry | : Standard:M20 Option:1/2"NPTF |
| ● Measuring Range | : Velocity 0-0.25 m/s min.
0-12 m/s max. | ● Ambient Temperature | : -25 to +60 °C |
| ● Material | | ● Process Connection | : Screw male thread (BSP) |
| Tube & Connection | : Stainless Steel 304 | ● Grounding Resistance | : Must be less than 10 Ω |
| Coil Housing | : Carbon Steel (Standard) | ● Accuracy | : $\pm 0.4\%$ of reading (Velocity ≥ 0.5 m/s)
: $\pm 0.2\%$ of reading
(Suitable for AMC3200PE/3200EPE converter)
: ± 0.0025 m/s (Velocity < 0.5 m/s) |
| Liner | : FEP | ● Temperature | |
| Electrode | : Stainless Steel 316L (4mm~25mm)
: Titanium (4mm~25mm)
: Hastelloy B (4mm~25mm)
: Hastelloy C (4mm~25mm)
: Tantalum (4mm~25mm)
: Platinum (25mm) | Compact | : -10 ~ +80 °C |
| ● Flow Range | | Separate | : -20 ~ +120 °C |
| 4 mm | : 0 - 11.3 L/Hr ~ 0 - 543 L/Hr | ● Max. Pressure | : 16 Kg/cm ² |
| 6mm | : 0 - 25 L/Hr ~ 0 - 1221 L/Hr | ● Explosion Proof | : Exd(ib)ibqIIBT5
(with AMC3200PE only) |
| 10 mm | : 0 - 71 L/Hr ~ 0 - 3393 L/Hr | ● Protection Class | : IP 67 |
| 15 mm | : 0 - 159 L/Hr ~ 0 - 7634 L/Hr | ● Conductivity | : More than 5 $\mu\text{S/cm}$ |
| 25 mm | : 0 - 442 L/Hr ~ 0 - 21205 L/Hr | ● Option | : AM (Ambient Temperature Inspection) |

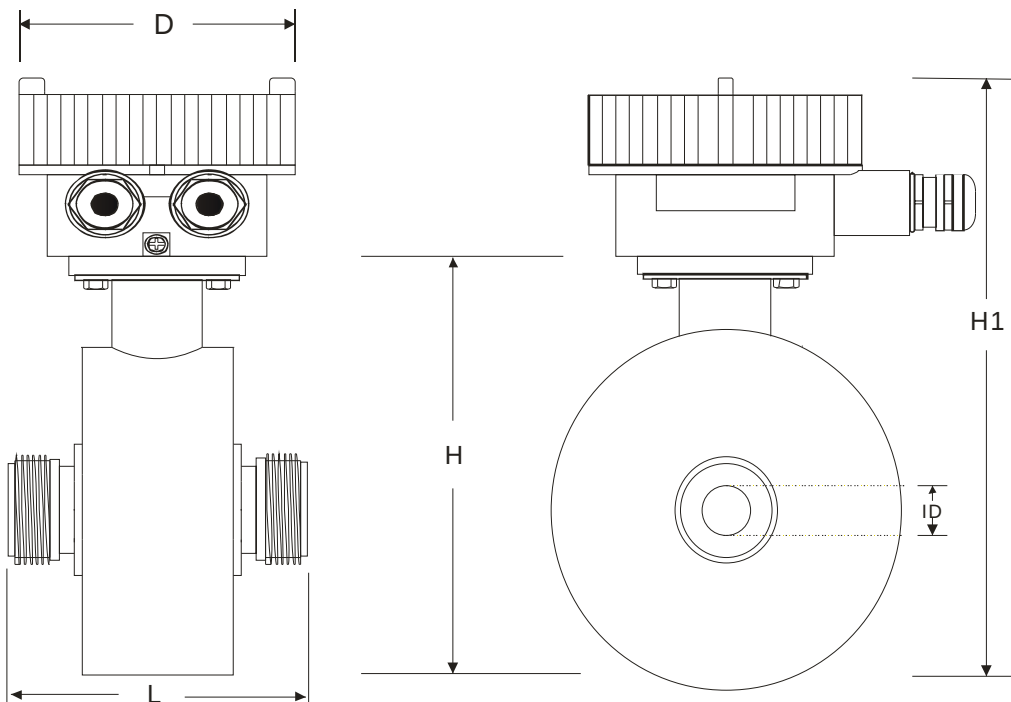


FLOW RANGE

Unit: Liter/Hr

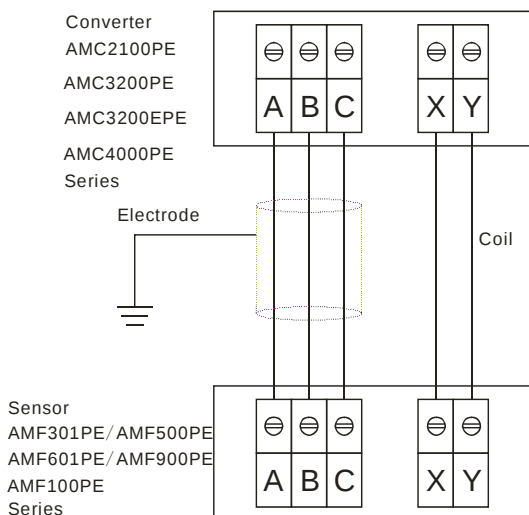
Normal Size	Flow Range & Velocity Table						
mm	Min. 0 - 0.25M/S	1.0 M/S	2.0 M/S	3.0 M/S	5.0 M/S	10.0 M/S	Max. 0 - 12 M/S
4	0 to 11.3	45	90	136	226	452	0 to 543
6	0 to 25	102	204	305	509	1,018	0 to 1,221
10	0 to 71	283	565	848	1,414	2,827	0 to 3,393
15	0 to 159	636	1,272	1,908	3,181	6,362	0 to 7,634
25	0 to 442	1,767	3,534	5,301	8,836	17,671	0 to 21,205

DIMENSIONS



Size	Connection	Dimensions (mm)				Weight
ID(mm)		L	D	H	H1	kg
4	1/2" BSP	90	100	140	219	2.0
6		90	100	140	219	2.0
10	3/4" BSP	100	100	145	224	2.2
15	3/4" BSP	110	100	145	224	2.5
25	1-1/4" BSP	110	100	165	244	2.5

WIRING DIAGRAM



MODEL SELECTION GUIDE

AMF301PE Series					
Example:AMF301PE-06-C-050-N					
AMF301PE-	XX	-X	XXX	-X	Description
Size	04 ~25				4, 6, 10, 15, 25mm
Electrode Material			-S		Stainless Steel 316L (4mm~25mm)
			-T		Titanium (4mm~25mm)
			-B		Hastelloy B (4mm~25mm)
			-C		Hastelloy C (4mm~25mm)
			-A		Tantalum (4mm~25mm)
			-P		Platinum (25mm)
			-Z		Others
Installation & Cable Length		NNN			Compact Version
		010~300			Separate Version, Cable 10M ~ 300M
Option			-N		None
			-X		Explosion Proof, Exd(ib)ibqIIBT5 (with AMC3200PE Only)
			-PT		Cable Entry 1/2" NPTF
			-AM		Ambient Temperature Inspection

BUILD OPTIONS-(COMPACT OR REMOTE)

