

GENERAL

ALIAMAG The AMF301 Series is a threaded type electromagnetic flowmeter ideal for conductive liquids. It comes in sizes from 4-25 mm. The AMF301 is widely used for tap-water, waste water, food & beverage, pulp & paper and many other industrial fluid. AMF301 Series electromagnetic flowmeter could be used in compact or remote 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 +/-0.4% value of reading (or +/-0.2% value of reading)
- ❑ With Forward / Reverse flowrate measurement function

STANDARD SPECIFICATION

- Size : 4, 6, 10, 15, 25 mm
- Measuring Range : Velocity 0-0.25 m/s Min.
0-12 m/s Max.
- Material
 - Tube & Connection : Stainless Steel 304
 - Coil Housing : Carbon Steel (Standard)
 - Liner : FEP
 - Electrode : Stainless Steel 316L (4-25 mm)
 - : Titanium (4-25 mm)
 - : Hastelloy B (4-25 mm)
 - : Hastelloy C (4-25 mm)
 - : Tantalum (4-25 mm)
 - : Platinum (25 mm)
- Flow Range
 - 4 mm : 0-11.3 L/hr~0-543 L/hr
 - 6 mm : 0-25 L/hr~0-1221 L/hr
 - 10 mm : 0-71 L/hr~0-3393 L/hr
 - 15 mm : 0-159 L/hr~0-7634 L/hr
 - 25 mm : 0-442 L/hr~0-21205 L/hr
- Cable Entry : Standard: M20 Option: 1/2"NPTF
- Ambient Temperature : -25~60 °C
- Process Connection : Screw male thread (BSP)
- Grounding Resistance : Must be less than 10 Ω
- Accuracy : +/-0.4% of reading (Velocity≥0.5 m/s)
+/-0.2% of reading
(Suitable for AMC3200 / 3200E converter)
+/-0.0025 m/s (Velocity<0.5 m/s)
- Temperature
 - Compact : -10~80 °C
 - Remote : -20~120 °C
- Max. Pressure : 16 kgf/cm²
- Explosion Proof : Ex d (ib) ibq IIB T5
(with AMC3200 only)
- Protection Class : IP67
- Conductivity : More than 5 uS/cm

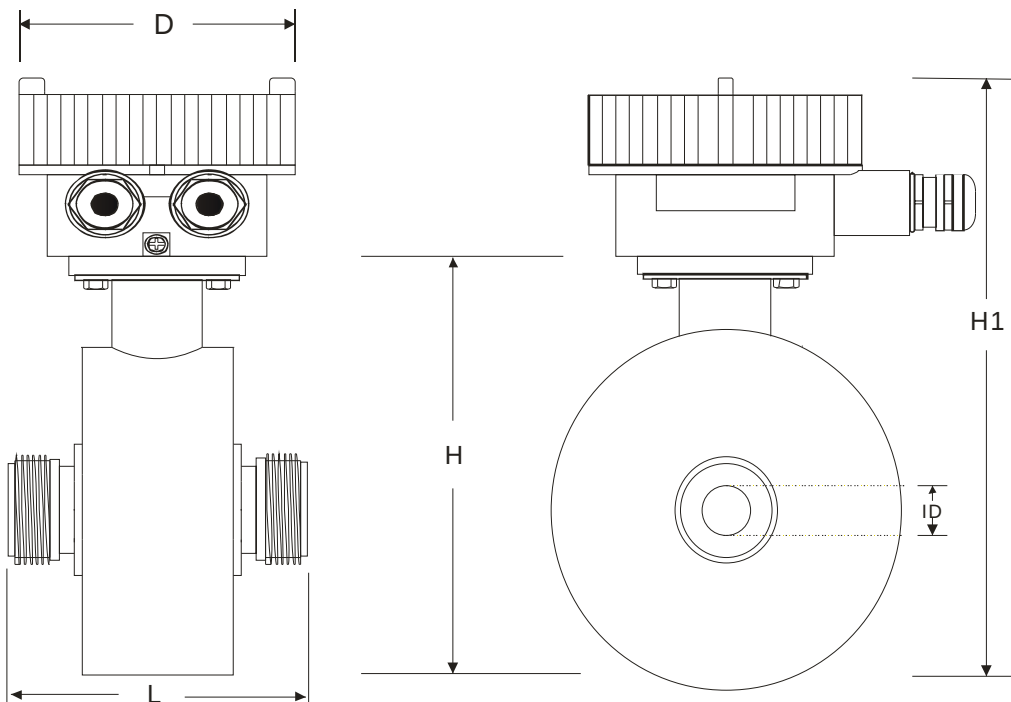


FLOW RANGE

Unit : L/hr

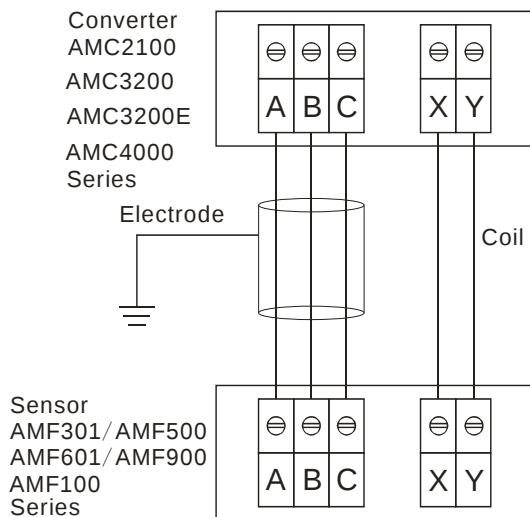
Normal Size	Flow Range & Velocity Table						
mm	Min. 0-0.25 m/s	1.0 m/s	2.0 m/s	3.0 m/s	5.0 m/s	10.0 m/s	Max. 0-12 m/s
4	0 to 11.3	45	90	136	226	452	0 to 543
6	0 to 25	102	204	305	509	1,018	0 to 1,221
10	0 to 71	283	565	848	1,414	2,827	0 to 3,393
15	0 to 159	636	1,272	1,908	3,181	6,362	0 to 7,634
25	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

AMF301 Series					
Example: AMF301-06-C-050-N					
AMF301-	XX	-X	XXX	-X	Description
Size	04-25				4, 6, 10, 15, 25 mm
Electrode Material		-S			Stainless Steel 316L (4-25 mm)
		-T			Titanium (4-25 mm)
		-B			Hastelloy B (4-25 mm)
		-C			Hastelloy C (4-25 mm)
		-A			Tantalum (4-25 mm)
		-P			Platinum (25 mm)
		-Z			Others
Installation & Cable Length		NNN			Compact Version
		010-300			Remote Version, Cable 10-300 m
Option				-N	None
				-X	Explosion Proof, Ex d (ib) ibq IIB T5 (with AMC3200 only)
				-PT	Cable Entry 1/2" NPTF

➔ BUILD OPTIONS-(COMPACT OR REMOTE)

