

SS304 / SS316 ELECTROMAGNETIC FLOW METER

Digital Electromagnetic -25°C~ 80°C Liquid Meter Size DN 3~DN 3000 (1/10"~120")

FEATURES

Place of Origin: Henan, China (Mainland)
 Brand Name: CALIBRATE
 Model Number: EMF
 Medium: All kinds of conductive liquids
 Liner: PTFE
 Connection: Flange type
 Output: Pulse /4-20mA /RS485/HART
 Power supply: 220VAC/ 24VDC
 Ambient temperature: -25~ +60°C
 Protection grade: IP65 / IP67 / IP68(optional)
 Accuracy: 0.2% 0.5%
 Material: SS304/SS316
 Product Name: SS304 and SS316 electromagnetic flow meter flow sensor for all kinds of conductive liquids.



MAIN PARAMETERS

Size Caliber	Length (mm)	Flange diameter (mm)	Flange center distance (mm)	Flange thickness (mm)	Height (mm)		Bolt			Weight (Kg)
					Separatin g type	Integrated type	Hole DIA	QTY	Bolt Size	
DN15	200	95	65	14	190	265	14	4	M12	5
DN20	200	105	75	16	200	275	14	4	M12	6
DN25	200	115	85	16	210	285	14	4	M12	7
DN32	200	140	100	18	220	310	18	4	M16	8
DN40	200	150	110	18	230	320	18	4	M16	9
DN50	200	165	125	20	245	335	18	4	M16	10
DN65	200	185	145	20	265	355	18	8	M16	12
DN80	200	200	160	20	280	370	18	8	M16	14
DN100	250	220	180	22	300	390	18	8	M16	15
DN125	250	250	210	22	330	420	18	8	M16	18
DN150	300	285	240	24	360	450	22	8	M20	23
DN200	350	340	295	24	420	505	22	8	M20	27
DN250	400	395	350	26	480	560	22	12	M20	38
DN300	500	445	400	26	530	610	22	12	M20	48
DN350	500	505	460	30	590	670	22	16	M20	65
DN400	600	565	515	32	645	725	26	16	M24	80
DN450	600	615	565	36	695	775	26	20	M24	100
DN500	600	670	620	38	750	830	26	20	M24	120
DN600	600	780	725	42	855	940	30	20	M27	210
DN700	700	895	840	50	970	1055	30	24	M27	300
DN800	800	1015	950	56	1090	1170	33	24	M30	400
DN900	900	1115	1050	62	1190	1270	33	28	M30	500
DN1000	1000	1230	1150	70	1290	1380	36	28	M33	700
DN1200	1200	1455	1380	83	1530	1610	39	32	M36	850
DN1400	1400	1675	1590	90 ^b	1740	1820	42	36	M39	1100
DN1600	1600	1915	1820	100 ^b	1950	2050	48	40	M45	1500
DN1800	1800	2115	2020	110 ^b	2170	2250	48	44	M45	1900
DN2000	2000	2325	2230	120 ^b	2380	2460	48	48	M45	2300

MAIN PARAMETERS

No.	Electrode material	Corrosion resistance
1	316L	Measuring water, sewage or organic acid or inorganic acid of minor corrosive medium.
2	HB HC	Resistant to corrosion of oxidizing acid such as nitric acid, mixed acid, chromic acid and sulfuric acid, or a mixed medium of corrosion, but also resistant to salts of the oxidation as Fe + + +, Cu + +, or the other oxidant-containing corrosion. Such as hypochlorous acid alkaline solution is higher than normal temperature or sea water corrosion.
3	Ti	Applicable in seawater, various chloride and hypochlorite, chlorinated acids (including fuming nitric acid), organic acid, alkali, etc. Do not resistant to the pure reduction acid (such as sulfuric acid, hydrochloric acid) corrosion. However, if an acid containing an oxidizing agent (such as nitric acid and containing Fe + + +, Cu + + ions in the medium) the corrosion is greatly reduced.
4	Tantalum (Ta)	Having strong resistance to corrosive mediums that is similar with glass. Almost applicable in all chemical mediums except for hydrofluoric acid, fuming sulfuric acid and alkali (including the boiling point of hydrochloric acid, nitric acid and sulfuric acid below 175 °C). It has not any resistant to corrosion in alkali.
5	Stainless steel covered with tungsten carbide	Applicable in mediums of non-corrosive and low abrasion.
6	Platinum-iridium	Almost be applicable in all chemical mediums except for aqua for this, ammonium salt.

Flow speed and flow rate Contrast worksheet

Diameter(mm)	Flowspeed (m/s)	0.01(Mini)	1	2	3	4	5	15(Max)
	Flow rate m ³ /h							
15		0.0064	0.6362	1.2723	1.9085	2.5447	3.1809	9.5426
20		0.0113	1.131	2.2619	3.3929	4.5239	5.6549	16.9646
25		0.0177	1.7671	3.5343	5.3014	7.0686	8.8357	26.5072
40		0.0452	4.5239	9.0478	13.5717	18.0956	22.6195	67.8584
50		0.0707	7.0686	14.1372	21.2058	28.2743	35.3429	106.0288
65		0.1195	11.9459	23.8918	35.8377	47.7836	59.7295	179.1886
80		0.1810	18.0956	36.1911	54.2867	72.3823	90.4779	271.4336
100		0.2827	28.2743	56.5487	84.8230	113.0973	141.3717	424.1150
150		0.6362	63.6173	127.2345	190.8518	254.4690	318.0863	954.2588
200		1.1310	113.0973	226.1947	339.2920	452.3893	565.4867	1696.4600
250		1.7671	176.7146	353.4292	530.1438	706.8583	883.5729	2650.7188
300		2.5447	254.4690	508.9380	763.4070	1017.8760	1272.3450	3817.0351
350		3.4636	346.3606	692.7212	1039.0818	1385.4424	1731.8030	5195.4089
400		4.5239	452.3893	904.7787	1357.1680	1809.5574	2261.9467	6785.8401
450		5.7256	572.5553	1145.1105	1717.6658	2290.2210	2862.7763	8588.3289
500		7.0686	706.8583	1413.7167	2120.5750	2827.4334	3534.2917	10602.8752
600		10.1788	1017.8760	2035.7520	3053.6281	4071.5041	5089.3801	15268.1403
700		13.8544	1385.4424	2770.8847	4156.3271	5541.7694	6927.2118	20781.6354
800		18.0956	1809.5574	3619.1147	5428.6721	7238.2295	9047.7868	27143.3605
900		22.9022	2290.2210	4580.4421	6870.6631	9160.8842	11451.1052	34353.3157
1000		28.2743	2827.4334	5654.8668	8482.3002	11309.7336	14137.1669	42411.5008
1200		40.7150	4071.5041	8143.0082	12214.5122	16286.0163	20357.5204	61072.5612
1400		55.4177	5541.7694	11083.5389	16625.3083	22167.0778	27708.8472	83126.5416
1600		72.3823	7238.2295	14476.4589	21714.6884	28952.9179	36191.1474	108573.4421
1800		91.6088	9160.8842	18321.7684	27482.6525	36643.5367	45804.4209	137413.2627
2000		113.0973	11309.7336	22619.4671	33929.2007	45238.9342	56548.6678	169646.0033