

ELECTROMAGNETIC FLOW METER

GIMA-T Series



Feature

Power supply: 90V AC to 130V AC, 180V AC to 250V AC, 24V DC  
Backlit display eases reading in direct sunlight or poor lightning conditions.  
Improved noise immunity performance up to 250%  
Optional "fast response" model for short run batch applications.  
Rotating display improves visibility of integral models mounted on pipes up to 90 degrees from standard. Average function for pulsating flow applications has been added.  
Write protect function prevents tampering with converter settings.

Specification

Pipe diameter range:6mm-1000mm  
Fluid conductivity: 3us/cm or great  
Measurable velocity: <'.0.1 m/s  
Enclosure rating: JIS C 0920 Waterproof:  
NEMA TYPE4X; IEC IP66  
Hazardous area certification: FM approval for Division 2  
EMC conformity standards: En61326  
Adjust zero automatically  
Eliminates steep noise spikes

GIMA-B Series



ELECTROMAGNETIC FLOW METER

Model	Suffix Code													Description
GIMA	1	2	3	4	5	6	-7	8	9	10	11	12	13	Electromagnetic Flow Meter
Type	B													B type (Regular Type)
	A													A type (ATEX)
	H													Energy Meter (PT1000 temperature sensors)
Diameter		XXX												Stand for diameter 0006: DN6; 0015: DN15 0100: DN100; 3000: DN3000
Structure			S											Compact Type with local display
			L											Remote Type; 10 meters cable default
Electrode Material				M										SS316L
				T										Titanium
				D										Tantalum
				H										Hastelloy C
				P										Platinum-Iridium
Signal Output					0									No Output
					1									4-20mA / Pulse
Liner Material						X								Rubber
						F								PTFE
						A								PFA
Power Supply							-0							110-240V AC
							-1							24V DC (20-36V DC)
							-2							Battery Power Supply
Communication								0						No Communication
								1						Modbus RS485
								2						HART
								3						GPRS
Sensor Grounding									0					No Grounding
									1					Grounding Ring
									2					Grounding Electrode
Connection										DXX				D16: DIN PN16 Flange ; D25: DIN PN25 Flange...
										AXX				A15: ANSI150# Flange; A30: ANSI 300# Flange...
										JXX				J10: JIS 10K Flange; J20: JIS 20K Flange...
										XXX				On request
Body Material											CS			Carbon Steel
											S4			Stainless Steel 304
											S6			Stainless Steel 316
Cable												0		Default
												XX		Optional
Accuracy													5	± 0.5%
													2	± 0.2%

ELECTROMAGNETIC FLOW METER

Flow Range

Diameter		Flow Rate (m³/h)		
		V=0.3m/s	V=6m/s	V=10m/s
mm	Inch	Min	Calibrated	Max
6	1/4"	0.0306	0.611	1.018
10	3/8"	0.0849	1.696	2.827
15	1/2"	0.1909	3.817	6.362
20	3/4"	0.3393	6.786	11.31
25	1"	0.5301	10.60	17.67
32	1-1/4"	0.8686	17.37	28.95
40	1-1/2"	1.357	27.14	45.24
50	2"	2.121	42.14	70.69
65	2-1/2"	3.584	71.68	119.5
80	3"	5.429	108.6	181.0
100	4"	8.482	169.6	282.7
125	5"	13.25	265.1	441.8
150	6"	19.09	381.7	636.2
200	8"	33.93	678.6	1131
250	10"	53.01	1060	1767
300	12"	76.34	1527	2545
350	14"	103.9	2078	3465
400	16"	135.7	2714	4524
450	18"	171.8	3435	5726
500	20"	212.1	4241	7069
600	24"	305.4	6107	10179
700	28"	415.6	8310	13850
800	32"	542.9	10860	18100
900	36"	662.8	13740	22900
1000	40"	848.2	16962	28270

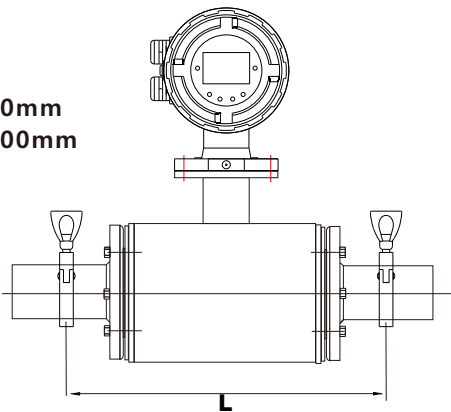
SANITARY MAGNETIC FLOW METER

GIMA-S Series



Length

DN10- DN20: L= 200mm  
DN32- DN100: L= 300mm



Model	Suffix Code									Description
GIMA-S	①	②	③	④	⑤	-⑥	⑦	⑧	⑨	Sanitary Magnetic Flow Meter
Diameter	XXXX									Stand for diameter 0010: DN10 0100: DN100; 3000: DN3000
Structure		S								Compact Type with local display
		L								Remote Type; 10 meters cable default
Electrode Material			M							SS316L
			T							Titanium
			D							Tantalum
			H							Hastelloy C
			P							Platinum-Iridium
Signal Output				0						No Output
				1						4-20mA / Pulse
Liner Material					F					PTFE
					A					PFA
Power Supply						-0				110-240V AC
						-1				24V DC (20-36V DC)
						-2				Battery Power Supply
Communication							0			No Communication
							1			Modbus RS485
							2			HART
							3			GPRS
Sensor Grounding								0		No Grounding
								2		Grounding Electrode
Body Material									S4	Stainless Steel 304
									S6	Stainless Steel 316

INSERTION MAGNETIC FLOW METER

GIMA-IB Series



Description

GIMA Insertion Magnetic Flowmeter is designed for measurement of the velocity of liquid. It can be installed in any pipeline of internal diameter from 200mm (8in) to 3000mm (120in),through a small tapping. The complete lack of moving parts of this insertion flowsensor is the source of its reliability. There is no rotor to stop turning in dirty water and there are no bearings to wear out.

Specification

Diameter	200-3000mm	
Velocity	0.1-10m/s	
Accuracy	0.1-0.5m/s	±2% FS
	0.5-10m/s	±1.5% FS
	0.1-10m/s	±2.5% FS
Liquid Conductivity	> 5µS/cm	
Straight Pipe	5D(D means diameter) for inlet; 3D for outlet	
Liquid Temperature	-20...+150°C	
Ambient Temp.	-20...+60°C	
Pressure	1.6Mpa	
Protection	IP65(compact type); IP68 (remote type)	
Signal Output	4-20mA/Pulse	
Communication	RS485; Hart	
Power Supply	24V DC; 110-240Vac; Battery	

INSERTION MAGNETIC FLOW METER

Model	Suffix Code							Description
GIMA-IB	①	②	③	④	⑤	⑥	⑦	Insertion Magnetic Flow Meter
Diameter	XXXX							Stand for diameter 0100: DN100 3000: DN3000
Structure	S							Compact type with local display
	L							Remote type (10m cable default)
Electrode Material		M						SS316L
		T						Titanium
		D						Tantalum
		H						Hastelloy C
		P						Platinum-Iridium
Signal output				0				No Output
				1				4-20mA / Pulse
Power Supply					-0			110-240V AC
					-1			24V DC(20-36V DC)
					-2			Battery Power Supply
Communication						0		No Communication
						1		Modbus RS485
						2		HART
						3		GPRS
Connection							B	Ball Valve Type

Flow Range

Diameter	Flow Rate(m³/h)			
	V=0.5m/s	V=1m/s	V=6m/s	V=10m/s
(mm)				
300	127	254	1526	2545
350	173	346	2077	3464
400	226	452	2713	4523
450	286	572	3434	5725
500	353	707	4239	7069
600	509	1017	6104	10180
700	692	1385	8308	13847
800	904	1809	10852	18086
900	1145	2289	13734	22891
1000	1413	2826	16956	28260
1200	2035	4069	24417	40694
1400	2769	5539	33234	55390
1600	3617	7235	43407	72346
1800	4578	9156	54937	91562
2000	5652	11304	67824	113040
2200	6839	13678	82067	136778
2400	8139	16278	97667	162778
2600	9552	19104	114623	191038
2800	11078	22156	132935	221558
3000	12717	25434	152604	254340