



KTMI-700 Series

Electromagnetic Flow meter
Unnecessary Pipe Cutting

■ FEATURE

- Its design with a light weight enables to easily install in a narrow place.
- No maintenance is necessary because no driving parts, impediments, or wear.
- Applicable to various piping environment
- High durability to most of corrosive or abrasive fluids
- Able to apply various electrodes to the sensor
- Provides superb stability and accuracy for a long time
- Maintains a stable accuracy even at a site with a high level of noise and vibration

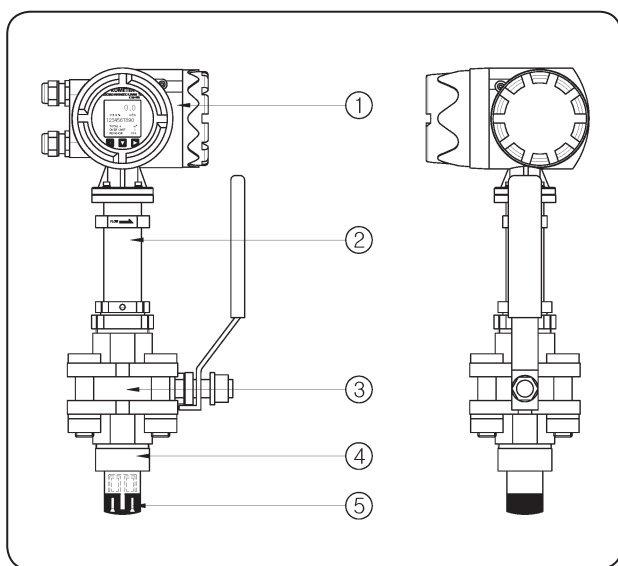
■ APPLICATIONS

- ▶ Chemical and Other Process Industries
 - Injecting fibric products with adhesiveness
 - Emulsified liquid including latex and emulsion.
- ▶ Food and Beverage
 - Hygienic blending, injection, and quantitative distribution
 - Cream and dairy products (e.g. fat, milk, cheese, yogurt with particles of fruit)
- ▶ Mineral and Mining
 - Similar in use to a cement
- ▶ Water resources
 - Water mixed with fat, oil, and grease
- ▶ Paper business
 - Fibric products in chemically aggressive nature
- ▶ Pharmaceutical Industry

KTMI-700 General Specifications

Size	100A - 3000A
Process Connection	Insertion Type (Required Fitting)
Measuring Velocity	0.1 m/s – 10 m/s
Flow Velocity	0.3 m/s – 10 m/s
Accuracy	±0.5 % F.S (0.3 m/s ~ 10 m/s) ±1.0 % F.S (0.01 m/s ~ 0.3 m/s)
Ambient Temperature	-10 °C ~ 60 °C
Conductivity	Over 5 μ S / cm
Power Supply	AC 85-250 V (50~60) Hz DC 24 V – (Option)
Power Consumption	15 VA
Display	LCD Display Flowrate : 5-digit Display Total : 9-digit Display / With Back light
Output	Analog : DC 4-20 mA Pulse : DC (8~30) V (Open collector pulse) Digital : RS-485
Protection Class	IP67

STRUCTURAL DRAWING



STANDARD MATERIAL

No.	Description	Material	
		Normal	Option
1	Indicator	CAST ALUMINUM	
2	Probe	SUS304	316SS, 316LSS
3	Valve	SUS304	316SS, 316LSS
4	Socket	SUS304	316SS, 316LSS
5	Electrode	316LSS	Platinum Titanium Tantalum Hasteloy-C

■ FLOW RANGES & DIMENSIONS

Size		Flow Range			
		Velocity (m/s)	Flow rate (m ³ /h)	Velocity (m/s)	Flow rate (m ³ /h)
65A	2-1/2B	0.1	1.194	10	119.398
80A	3B		1.808		180.864
100A	4B		2.82		282.60
125A	5B		4.41		441.56
150A	6B		6.35		635.85
200A	8B		11.30		1130.40
250A	10B		17.66		1766.25
300A	12B		25.43		2543.40
350A	14B		34.61		3461.85
400A	16B		45.21		4521.60
450A	18B		57.22		5722.65
500A	20B		70.6		7065.0
600A	24B		101.7		10173.6
700A	28B		138.4		13847.4
800A	32B		180.8		18086.4
900A	36B		228.9		22890.6
1000A	40B		282.6		28260.0
1200A	48B		406.9		40964.4
1400A	56B		553.8		55389.6
1600A	64B		723.4		72345.6
1800A	72B		915.6		92562.4
2000A	80B		1130.4		113040.0