AT SYSTEMS

FT-1000
Flow Transmitter
PRODUCT DATA SHEET

Proudly DESIGNED IN CANADA

SPECIFICATIONS

Measuring Range	FT-1000-H	FT-1000-L
Accuracy (Flow)	±0.80 % Full Span ±0.10 % Linearity ±0.10 % Hysteresis ±0.10 % Repeatability	±1.15 % Full Span ±0.50 % Linearity ±0.25 % Hysteresis ±0.25 % Repeatability
Process Connection	ASME B16.5 (Inches): 1.5", 2", 3", 4", 6", 8", 10", 12" DIN Flange (mm): 40, 50, 65, 80, 100, 125, 150, 200, 250, 300	ASME B16.5 (Inches): 1.5", 2", 3", 4", 6", 8", 10", 12" DIN Flange (mm): 40, 50, 65, 80, 100, 125, 150, 200, 250, 300
ß (Beta Ratio)	0.5 ~ 0.7	0.5 ~ 0.7
	Customized beta ratios also available	
Static Pressure (common mode Pressure)	Max 16 BAR 230 PSI	Max 16 BAR 230 PSI
Static Pressure Output (Optional)	Static pressure measuring option is available for fluids with variable density	
Temperature Output (Optional)	Temperature output is availabable for air and gas media	
Controller Compatibility	FT-1000 is only compatible to ATS-FL2000 Flow controller Note: Please check documentation on ATS-FL2000 Flow controller	
Calibration Mode	Flow Transmitter comes factory calibrated	
Material Of Construction	Standard material SS304 User can require the following material on order (SS 316, SS2205)	
Temperature Rating	-10 to +125°C User must specify fluid physical properties before ordering	
Media Compatibility	FT-1000 is for Non-corrosive liquid application and and non-corrosive Air/Gas media Air/Gas and Liquid Compatibility to SS 316L	
Electrical Connection	Refer to user manual for connection of the nozzle with ATS-FL2000 flow controller Shielded 2 to 6 conductor wire is available depending on the selection of flow transmitter Refer to model selection guide before ordering	
IP Class	Electrical connection is through Din 43650 connector for IP 68 Cable Gland	

FT-1000 is a cutting-edge, high-precision in-line flow transmitter that works on the principal of differential pressure. Engineered with state-of-the-art technology, FT-1000 offers exceptional performance, versatility, and ease of installation.

The transmitter is built with an orifice based differential pressure technology which offers better discharge coefficient, decreased head loss with excellent precision in flow measurement. No moving parts also make it more durable. With a maximum flow turndown ratio of 10:1, FT-1000 is a perfect choice for continuous flow process.

APPLICATIONS

- Water Filtration
- Water Management
- Reverse Osmosis
- Ultra-Filtration
- Tube Wells
- Chemical Processes
- Food Industries
- Water Softeners
- Power plants
- Cooling Towers
- HVAC

WARRANTY 1 YEAR WARRANTY

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