GAS TURBINE FLOW METER

DESCRIPTION

The gas turbine flow meters are specially designed for use in natural gas, and other fluid measurement. And the volume and mass flow rate are available.

APPLICATIONS

- Natural gas transmission and distribution network
- Petrochemical industry
- Urban gas industry
- Electric power industry
- Gas skids
- LNG gas station

FEATURES

- Temperature & pressure compensation
- Digital absolute pressure transmitter
- Segment LCD, displays normally at -30°C
- Integrated movement
- Communication: Modbus RS485
- Simultaneous display flow rate, total flow volume, pressure and temperature

TECHNICAL DATA

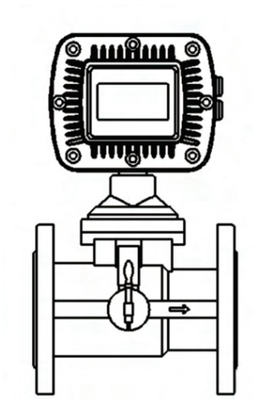
Output	Pulse
	4-20mA
Accuracy	±1.0% of Rate;±1.5% of Rate
Ambient Temp.	- 20...+60°C
Fluid Temp.	- 20...+80°C
Body Material	SS304
	SS316
	Cast Steel (DN50- DN200)
Rotor Material	Aluminum Alloy
	Plastic ABS
Bearing Material	SS304
Protection	IP 65

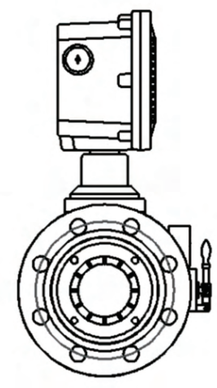
D2-Compensation Type

D4- Compensation Type

E-Non-Compensation Type

TECHNICAL DRAWINGS





MODEL SELECTION

Model	Suffix Code									Description
XXX-	❶	❷	❸	❹	❹	❺	❻	❼	❽	Gas Turbine Flow Meter
Diameter	XXX									Stand for diameter 020: DN20; 050: DN50 100: DN100; 400: DN400
Converter Type		E1								Battery power supply; No output; Ex; Digital display
		E2								24V DC; 2- wire 4-20mA/ Pulse output; Ex; Digital display
		E4								24V DC; 0-20mA/ Pulse output; Local display; Ex; Digital display
		D2								24V DC; 2/ 3 wires 4-20mA/ Pulse output; Digital display; Temperature & Pressure Compensation; RS 485
		D4								24V DC; 4-20mA/ Pulse output; Modbus RS485; Digital display Temperature & Pressure Compensation
		Notice:								1) Modbus RS485 is optional for E2, E4, D4, D2
										2) Battery Power(24V DC + Battery) is optional for E2, E4, D2, D4
										3) D4 converter only configures with cast structure 304 body sensor
Accuracy			10							±1.0% of rate
			15							±1.5% of rate
Flow Range				S						Standard Range: S;S1; S2 optional
Body Material						S4				SS304
						S6				SS316
						CS				Cast structure 304 for D4 only
Rotor Material							AB			ABS Plastic
							AA			Aluminum Alloy
Explosion Proof								BT		Exd II BT6 Gb
								NA		None
Connection									THM	Male Thread; Available from DN25...DN50
									THF	Female Thread; Available from DN25...DN50
									DXX	DN16: DIN PN16 Flange; D25: DIN PN25 Flange...
									AXX	A15: ANSI 150# Flange; A30: ANSI 300# Flange...
									JXX	J10: JIS 10K Flange; J20: JIS 20K Flange...

FLOW RANGE

Diameter (mm/inch)	Code	Flow Range (m^3/h)	Max Pressure loss (kPa)	Connection
25(1")	S	4-40	1.5	Flange/ Thread
40(1.5")	S	6-65	1.5	
50(2")	S	7-70	0.5	
	S1	10-100	1.0	
	S2	16-160	1.0	
65(2.5")	S	15-200	1.0	Flange
	S1	13-250	1.0	
80(3")	S	13-250	1.0	
	S1	20-400	2.5	
100(4")	S	20-400	1.0	
	S1	32-650	1.5	
125(5")	S	40-800	1.3	
150(6")	S	50-1000	1.0	
	S1	80-1600	2.0	
200(8")	S	80-1600	0.5	
	S1	130-2500	1.0	
250(10")	S	130-2500	0.5	
	S1	200-4000	1.5	
300(12")	S	320-6500	1.0	
350(14")	S	400-8000	1.5	
400(16")	S	650-13000	2.0	

Note: 1. The maximum pressure loss is the pressure loss value when the flowmeter is working at the maximum flow point, the medium is air, and the normal temperature state.