

TURBINE GAS METER



SIL



DESCRIPTION

The gas turbine flow meters are specifically engineered for measuring natural gas and other fluids. They provide both volume and mass flow rate readings.

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

APPLICATIONS

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

TURBINE GAS METER



TECHNICAL DATA

DIAMETER	DN25 - DN400
AMBIENT TEMPERATURE	-20°C - + 60°C
FLUID TEMPERATURE	-30°C - + 80°C
ACCURACY	±1.0% of rate, ±1.5% of rate
HUMIDITY	5% ~ 90%
OPERATING PRESSURE	6 bar
POWER SUPPLY	DC24V / DC3.6V Battery
POWER CONSUMPTION	<2.4W / <2mW
PROTECTION LEVEL	IP65
EXPLOSION PROOF	ExiallCT4 Ga
OUTPUT	Pulse; 4- 20mA
ROTOR MATERIAL	Aluminum Alloy; Plastic ABS
BODY MATERIAL	SS304; SS316; Cast Steel (DN50-DN200) Cast Aluminum

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	
	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	



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