

TURBINE FLOW METER

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MODEL : CTA Series

DESCRIPTION

CT Series : Turbine Flowmeter for Gases
They are based on the principle of the Woltmann rotating vane meter. They are designed to measure gases under a variety of operating conditions with high pressure. They are highly accurate and durable flowmeters.

FEATURES

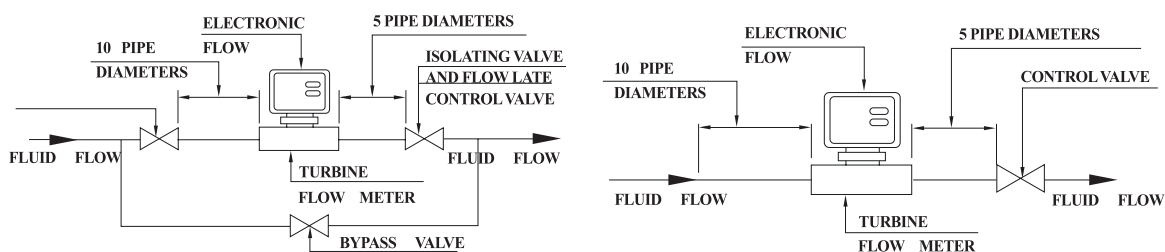
- Flow rate/ total rate/ accumulated rate
- Output : Pulse / 4-20mA /Alarm /communication (except CTA-4/5)
- High pressure
- Ex d IIB T6 enclosure class - (except CTA-4)



FLOW CHART

SIZE		GAS (m ³ /H)FLOW RATE	Length (mm)	
			FLANGE	SCREW
10A	3/8B	1.2 - 8	120	100
15A	1/2B	1.6 - 16	150	100
20A	3/4B	3 - 30	150	100
25A	1B	4 - 45	200	100
32A	1 1/4B	8 - 100	200	100
40A	1 1/2B	10 - 160	250	120
50A	2B	14 - 200	250	120
65A	2 1/2B	30 - 400	250	150
80A	3B	50 - 700	300	
100A	4B	80 - 1000	330	
125A	5B	130 - 1700	330	
150A	6B	230 - 2700	330	
200A	8B	520 - 7000	360	

NOTE

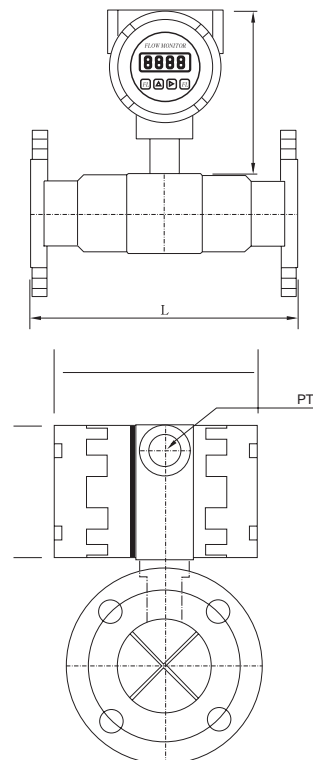


SPECIFICATION

* MEASURING	Gas
* METER SIZE	10A(3/8") ~ 200A(8")
* MATERIAL	Body : SUS 304 / SUS 316 / SUS316L Rotor : SUS 430 Indicator : AL Flange : SUS 304 /SUS 316/ SUS 316L Other Materials on Request
* PRESSURE RATING	10 kgf/cm ² (Standard) Option : 30 kgf/cm ²
* TEMPERATURE	Operation : -20~ 80 C
* CONNECTION	Flange Connection (JIS / ANSI / DIN / other) Screw Connection Clamp Connection
* ACCURACY	+/- 1.0% of FS
* REPEATABILITY	+/- 0.1%
* DISPLAY	2-LINE 8 Digit LCD
* OUT PUT (Except CTA-4/5)	Alarm(Rate, Total) / 4-20mA(non isolated) /Pulse(open collector) Option :Communication(RS-485)
* POWER SUPPLY	DC 24V (4wire) AC 110-220V (50~60Hz) Battery (Lithium) - none output

MATERIAL

PART LIST	MATERIAL		
Body	SUS304	SUS316	SUS316L
Flange	SUS304	SUS316	SUS316L
Rotor Support	SUS316	SUS316	SUS316
Rotor	SUS 430		
Rotor Shaft	Tungsten Carbide		
Bearing	SS440 C Ball Bearing		



DIMENSION

ORDERING CODE

CTA																			
<input type="checkbox"/> BODY MATERIAL																			
A SUS 304 B SUS 316 C SUS 316L O OTHERS																			
<input type="checkbox"/> CONNECTION																			
J JIS 10K A ANSI 150# D DIN PN16 P SCREW :PT N SCREW :NPT C CLAMP O OTHERS																			
<input type="checkbox"/> METER SIZE																			
<table border="0"> <tr> <td>10 10A(3/8")</td> <td>40 40A(1-1/2")</td> <td>125 125A(5")</td> </tr> <tr> <td>15 15A(1/2")</td> <td>50 50A(2")</td> <td>150 150A(6")</td> </tr> <tr> <td>20 20A(3/4")</td> <td>65 65A(2-1/2")</td> <td>200 200A(8")</td> </tr> <tr> <td>25 25A(1")</td> <td>80 80A(3")</td> <td>O OTHERS</td> </tr> <tr> <td>32 32A(1-1/4")</td> <td>100 100A(4")</td> <td></td> </tr> </table>					10 10A(3/8")	40 40A(1-1/2")	125 125A(5")	15 15A(1/2")	50 50A(2")	150 150A(6")	20 20A(3/4")	65 65A(2-1/2")	200 200A(8")	25 25A(1")	80 80A(3")	O OTHERS	32 32A(1-1/4")	100 100A(4")	
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<input type="checkbox"/> POWER																			
2 DC POWER (DC 24V) - (Ex-proof) 3 AC POWER (AC 110-220V , 50~60Hz) - (Ex-proof) 4 BATTERY (Lithium 3.6V) - with square controller -(No Ex-proof) 5 BATTERY (Lithium 3.6V) - (Ex-proof)																			
<input type="checkbox"/> TURBINE FLOWMETER (For Gas)																			