

Description



ANF383GY turbine flow transmitter series is velocity-type flowmeter. It is light because of its simple structure, high accuracy, good repeatability, sensitive and easy to install and use. It widely uses in petroleum chemical industry, metallurgical industry, public water supply industry and paper industry. It is the first choice of flow measurement for saving energy.

It could use in limited alarm and ration control with the special functional display.

Specification

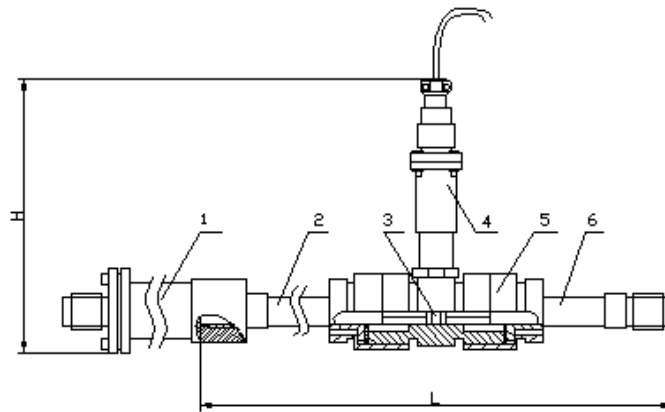
Item	
Media temp. range	-20-120°C
Environment Temp.	-20-+65°C
Relative humidity	≤ 80%

Power supply & Distance

Power Supply	Voltage	Electric current
	+6-24VDC	≤10mA
Battery supply is 3.6V/0.3mA;		
485: communication source will raise 0.6mA.		
Transmission distance: Distance between transmitter and display could be 1000M.		

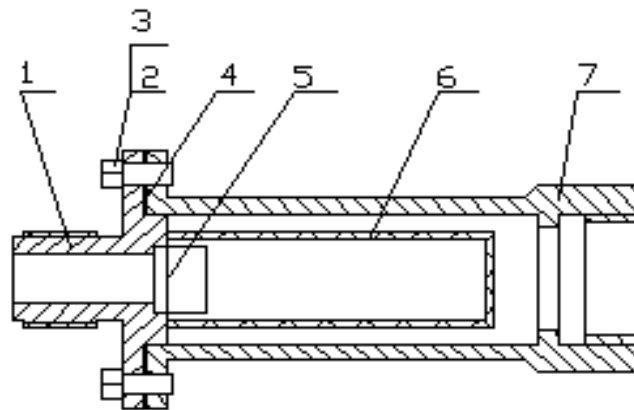
Drawing

Transmitter Drawing



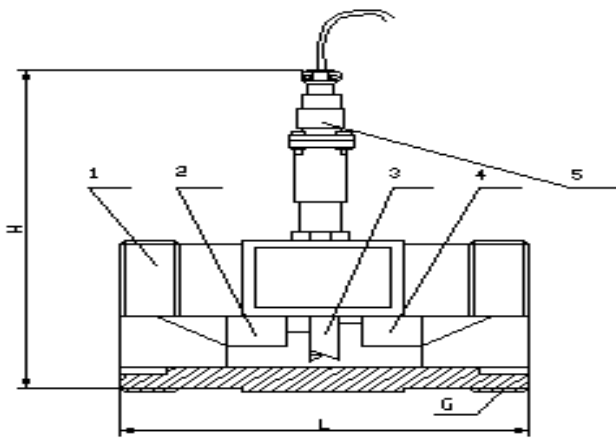
1. Filter 2.Forepart straight pipe 3.Impeller 4.Pre-amplifier 5.Housing 6.Back straight pipe

Filter Drawing

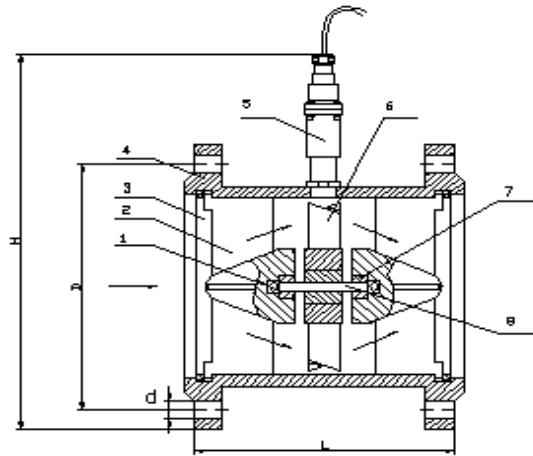


- 1.retainer ring
 2.Bolt 4x14 3. cushion 4. sealing cushion
 5.steel 304-0.8x2.5 6. filter mesh 7.basement

ANF383GY-15~40 transmitter structure & demension



1.Housing 2. Foreguide 3. Impeller
4.Backguide 5. Pre-amplifier



1. Ball bearing 2. Foreguide 3. Position ring
4. Housing 5. Pre-amplifier 6. Impeller 7. Bearing 8. axis

ANF383GY-15~40 transmitter structure & demension

	Nominal Diameter (mm)	L(mm)	H(mm)	G	L' (mm)	D(mm)	d(mm)	Hole
ANF383GY-4	4	275	145	G1/2	215			
ANF383GY-6	6	275	145	G1/2	215			
ANF383GY-10	10	455	165	G1/2	350			
ANF383GY-12	12	75	173	G1				
ANF383GY-15	15	75	173	G1				
ANF383GY-20	20	85	173	G1				
ANF383GY-25	25	100	173	G5/4				
ANF383GY-32	32	140	175	G11/2				
ANF383GY-40	40	140	178	G2		Φ110	Φ18	4
ANF383GY-50	50	150	252			Φ125	Φ18	4
ANF383GY-65	65	180	278			Φ145	Φ18	4
ANF383GY-80	80	200	287			Φ160	Φ18	8
ANF383GY-100	100	220	322			Φ180	Φ18	8
ANF383GY-125	125	250	347			Φ210	Φ18	8
ANF383GY-150	150	300	367			Φ250	Φ22	8
ANF383GY-200	200	360	415			Φ295	Φ22	12

Selection

	ANF383GY□	□□□	□	□	Specification
Type					Basic , +5-24DCV supply
					4~20mA 2-wire electronic output, long-distance transmission type
					Battery supply, local indication
					Local indication/4~20mA 2-wire
					RS485



Nominal Diameter	4		4mm , flow range 0.04~0.25m ³ /h
	6		6mm , flow range 0.1~0.6m ³ /h
	10		10mm , flow range 0.2~1.2m ³ /h
	12		12mm , flow range 0.2~2m ³ /h
	15		15mm , flow range 0.6~6m ³ /h
	20		20mm , flow range 0.7~7m ³ /h
	25		25mm , flow range 1~10m ³ /h
	32		32mm , flow range 1.5~15m ³ /h
	40		40mm , flow range 2~20m ³ /h
	50		50mm , flow range 4~40m ³ /h
	65		65mm , flow range 7~70m ³ /h
	80		80mm , flow range 10~100m ³ /h
	100		100mm , flow range 20~200m ³ /h
	125		125mm , flow range 25~250m ³ /h
150		150mm , flow range 30~300m ³ /h	
200		200mm , flow range 80~800m ³ /h	
Accuracy		A	Accuracy Grade 0.5
		B	Accuracy Grade 1
Turbine Type		A	Wide range turbine
		B	Regular turbine

Function

Menu No.	Menu	Description	
1	Flow Unit	Flow Unit Option (Typical 0)	0 : m ³ /h 1 : m ³ /m 2 : l/h 3 : l/m 4 : t/h 5 : t/m 6 : kg/h 7 : kg/m
2	Algorithmic	Algorithmic Option	00 : volume flow rate



	Notation	(Typical 0)	01 : mass flow rate 02 : volumetric flow rate of air 03 : gas mass flow
3	Flow Coefficient	Flow Coefficient (Typical 3600)	Unit: P/m3
4	Output of SPAN	Output of SPAN (Typical 1000)	When 4~20mA output could not be 0, the unit should be as same as flow unit.
5	Density	Density (Typical 1.0)	When algorithmic is mass flow rate (01、03) , Unit kg/m3
6	Temperature	Temp. (Typical 0.0)	When algorithmic is 02、 03 , this item must be selected.
7	Absolute Pressure	Absolute Pressure (Typical 101.325)	When algorithmic is 02、 03 , this item must be selected. Unit: kPa
8	Flow cutoff low limitation	Input percent (Typical 1%)	Range:0~100
9	485 Address	485 (Typical 0)	ANF383YD should select RS485 , and different with the other equipment in the same system, range is 0~31
10	Damping	Damping ((Typical 4s)	Range: 2~32
11	Zero Clearance	Zero Clearance	If nee to start zero clearance, chose YES and press” E” button.